

Designs Are Finalized As Reading Room May at Last Be Renovated

By Diana Jue
STAFF REPORTER

The fifth floor Student Center reading room, basically unchanged since its inception in 1965, may soon undergo new construction.

New plans for the renovation of the Student Center fifth floor reading room are currently being reviewed by students before they are finalized by architects and submitted by the Division of Student Life to the Committee for the Review of Space Planning.

Renovations include the addition of a lounge and ID-activated lockers in the entry area, according to floor and design plans by Signer Harris Architects. New lighting fixtures and retractable shades are also a part of the plan. The carpet and all the chairs will be replaced.

"The intent is to make it more airy," said Undergraduate Association Senate Speaker Andrew T. Lukmann '07.

An acoustically sealed partition will divide the room into two sec-

Reading Room, Page 23



STEPHANIE LEE—THE TECH

Elizabeth S. Rosenblatt '07 studies in the reading room on the fifth floor of the Student Center, which is currently under review for renovations. The reading room has not been changed since its creation in 1965.

Hockfield Addresses Ethics in Universities

By Brian Keegan
and Kelley Rivoire
STAFF REPORTERS

A university has a responsibility not only to its members, but to the world, said President Susan Hockfield yesterday, delivering the 2005 Arthur Miller Lecture on Science and Ethics. In her lecture, Hockfield repeatedly highlighted the importance of a university's faculty governance structure in "fulfilling our responsibilities."

She made only brief mention of two recent cases of ethical problems raised at MIT, namely the dismissal of a faculty member over scientific misconduct and an ongoing investigation into allegations of fraudulent missile defense test data. Hockfield focused instead on the universals of university ethics.

Responsibility prominent

Hockfield described the evolution of the university, from a keeper of knowledge in medieval times, to the emergence of the modern research university as a locus for both teach-

ing and innovation. She said MIT's example challenges those who believe that research and education are mutually exclusive.

Hockfield emphasized a need for MIT to be a place of "high moral standards" to meet its two goals of educating students to become leaders and advancing knowledge for humankind. "We must fulfill our responsibilities to each other if we are to fulfill our responsibilities to the world," she said.

Because scientific knowledge is cumulative, researchers "must be able to rely on the work of their colleagues," she said.

Members of a university must also have academic freedom and be able to "explore unfashionable hypotheses," she said, emphasizing the need for the campus to remain "intellectually open."

As a university, MIT must also fulfill its mission to engage with and improve the world, through innovation, education, and the power of example. "Work at MIT generates new

Hockfield, Page 20

MIT Alums Race to Mars With Start-Up Company

By Hanhan Wang
STAFF REPORTER

Talk about reaching for the stars. Last month, a few MIT alumni turned space entrepreneurs launched 4Frontiers Corporation, a start-up

dedicated to building a self-sustaining settlement on Mars by 2025.

"We're looking at permanent trips, establishing civilization on the Red Planet," said Joseph E. Palaia, IV, MIT graduate student and co-founder of 4Frontiers.

The first journey is targeted to launch in 2025 with 12 space pioneers. After a six month one-way journey, Mars pioneers would develop the infrastructure to support the initial habitation space, life support systems, nuclear power generation, and mining. The settlement's purpose would be mining minerals on Mars and making these materials available and accessible to the Earth.

Right now, 4Frontiers comprises over 30 people, full-time and volunteers. Every week, the company

Mars, Page 20

SigEp Returns to MIT After Short Hiatus

By Daniela Cako
STAFF REPORTER

After having its charter revoked earlier this year, fraternity Sigma Phi Epsilon has returned to campus and is recruiting members. The national headquarters had revoked the MIT chapter's charter in January 2005 because of its lack of members and decreasing size.

SigEp officers aim for the local chapter to grow to 20-25 members this year and to have around 50 members in the long run, said Jason A. Cherish, director of New Chapter Development in the national SigEp.

The MIT SigEp chapter is trying to rejoin the Intrafraternity Council, and has undergone a reorganization. As required by the national SigEp, all potential new members must go through an application process with the national organization. The fraternity will also be recruiting throughout the whole year and not just during Rush.

To become an actual member of the IFC, Sigma Phi Epsilon needs to be approved by most of the presidents of the other fraternities. SigEp needs to be recognized by the Interfraternity Council first, and then it will be recognized by MIT.

Before becoming a full member, SigEp must spend a couple of years as an associate member, said Intrafraternity Council President Christopher P. Child '06. Until then, the students in SigEp will not be considered members of a fraternity, he said. Being an associate member will allow SigEp to participate in most IFC activities such as Rush, but it will not be able to vote at the Presidents' Council.

SigEp, Page 20



MELANIE MILLER

Christopher R. Becker '08, Gabriel V. Lopez '08, Chris P. Tostado '06, and Manuel S. Hernández '08 (seated) are brothers in the small but growing Sigma Phi Epsilon chapter at MIT. The fraternity house is currently occupied by graduate students, but the chapter plans to move back in once it has enough money and members.

Alvin W. Drake

MIT NEWS OFFICE

Alvin W. Drake, a professor emeritus of electrical engineering and computer science who was respected among colleagues and students alike for the vitality of his teaching and the vigor of his research, died of cancer at a hospice near his Falmouth home on Sunday, Oct. 30. He was 70.

Drake, a native of Bayonne, N.J., specialized in decision analysis, applied probability, applications of operations research to public systems and blood and organ banking.

Drake's best-known MIT course, Probabilistic Systems Analysis (6.041), was "legendary," said Richard Larson, Mitsui Professor of Civil and Environmental Engineering and of Engineering Systems. "He taught students to think in terms of basic principles, in the MIT way."

Ethernet inventor Robert Metcalfe '68, who was a student of Drake's, called him the "epitome of the MIT professor." Metcalfe even gave Drake partial credit for igniting the intellectual fuse that eventually led Metcalfe to Ethernet in 1973.

Drake's own enthusiasm for the Institute and his devotion to the

Drake, Page 19

The Tech will not publish on Friday because it is a student holiday. Regular publication will resume November 15.

NEWS

Argument Heard in Harvard Police Records Case 21
 More Foreign Grads Enter U.S. Schools 22

OPINION

Barun Singh asks what sacrifices our country is willing to make to become energy independent.

Page 4

World & Nation 2
 Opinion 4
 Arts 6
 Campus Life 10
 Sports 24

WORLD & NATION

Indian Minister Quits Post Amid Kickback Allegations

By Hari Kumar
THE NEW YORK TIMES

NEW DELHI

The Indian foreign minister, Natwar Singh, resigned Monday, as pressure mounted over allegations that he and the governing Congress Party had collected kickbacks from the U.N. oil-for-food program in Iraq.

Singh, 74, a veteran Congress Party politician, is among the most visible proponents of India's ambition to hold a permanent seat on the U.N. Security Council. He is to remain a Cabinet minister without portfolio in the government of Prime Minister Manmohan Singh, but he will be relieved of his foreign ministry duties, the prime minister's office announced in a statement late in the day.

Earlier on Monday, the prime minister's office appointed a commission of inquiry to investigate the allegations against Singh, to be headed by a former Indian Supreme Court chief justice.

Singh was named in a report by a U.N. commission headed by Paul Volcker, the former chairman of the Federal Reserve Board, which investigated accusations of abuse of the oil-for-food program.

Bush Endorses Canal Widening

By Elisabeth Bumiller
THE NEW YORK TIMES

PANAMA CITY, PANAMA

President Bush on Monday endorsed widening the Panama Canal and cited progress in reaching a free-trade agreement with Panama's president, Martin Torrijos, whose friendly reception here was in sharp contrast to some of the hostility that Bush has encountered on a four-day trip to Latin America.

But Bush, after saying "we're getting close" on the trade pact between the United States and Panama, said Democrats might block it in Congress, and blamed them for holding up recent trade deals.

"We're going to have to work the Congress," the president said at a joint news conference with Torrijos at Casa Amarilla, or the Yellow House, a 17th-century mansion that houses the Foreign Ministry and overlooks the Bay of Panama.

Bush added that in the past, the Democratic Party "had free-trade members who are willing to make the right decisions based not on politics, but based on what's best for the interest of the country, and that spirit has dissipated in recent votes."

Qualcomm Accuses Nokia Of Patent Infringement

By Dan Bilefsky
THE NEW YORK TIMES

PARIS

In an escalating legal battle, Qualcomm said on Monday that it had filed suit against Nokia, accusing the mobile phone maker of infringing on a dozen patents related to GSM, a cell phone standard that is used in two out of three handsets worldwide.

The suit, filed on Friday in a federal court in San Diego, comes after several companies — including Nokia, Ericsson, Texas Instruments, and Broadcom — filed a complaint on Oct. 28 with the European Union, charging that Qualcomm offered lower royalties on its cell phone chip patents if customers also bought the chips.

The lawsuit intensifies an already fierce battle over one segment of the mobile phone business: the growing market for handsets with multimedia functions like music players and cameras.

Robin Hearn, an analyst at Ovum in London, said that Qualcomm, based in San Diego, was retaliating to make sure it holds on to its patent royalties, a principal source of income. "I have been expecting a meaty response," Hearn said. "They'll probably get their spat over with, cuff each other in the face and come to some agreement."

Supreme Court to Hear Case On Military Detainee Policy

By Linda Greenhouse
THE NEW YORK TIMES

WASHINGTON

The Supreme Court announced on Monday that it would decide the validity of the military commissions that President Bush wants to use to bring detainees charged with terrorist offenses to trial.

The case, to be argued in March, places the court back at the center of the national debate over the limits of presidential authority in conducting the war on terror.

Last year, the Supreme Court rejected the administration's position that the federal courts have no jurisdiction over those held as enemy combatants at the United States naval base at Guantanamo Bay, Cuba.

This time, once again, the justices acted over the vigorous opposition of the administration, which urged the court to stay its hand and defer any review until after a detainee has been tried by a military commission and convicted.

Lawyers representing Salim Ahmed Hamdan, the Yemeni who brought the challenge to the commissions, argued however that the issues of domestic and international law

raised by the case were sufficiently important to be heard and resolved without further delay.

The military and civilian lawyers representing him are arguing that Bush had neither statutory authorization nor inherent authority to establish military commissions. Further, they argue that the commissions, as defined by the military order the president issued on Nov. 13, 2001, violate the Third Geneva Convention by withholding protections that defendants would be guaranteed in courts-martial.

Hamdan, described by the government as Osama bin Laden's former bodyguard and driver, is charged with conspiracy, murder and terrorism. He was captured in Afghanistan in 2001 and since 2002 has been held at Guantanamo.

He is now one of a dozen detainees, out of the more than 500 still held there, who have been designated by Bush as eligible for trial before military commissions.

These would be the first trials by military commissions since the World War II era. Preliminary motions for the first trial, for an Australian detainee, David Hicks, are due to be heard

at Guantanamo Bay next week.

The Pentagon said Monday afternoon that it would proceed as planned, but Judge Colleen Kollar-Kotelly, a U.S. District Court judge here with jurisdiction over another aspect of the Australian's case, ordered the parties to file briefs addressing whether the hearing should now be postponed.

Although the Hamdan case, Hamdan v. Rumsfeld, No. 05-184, is likely to be the marquee case of the Supreme Court term, it will be decided without the participation of the new chief justice, John G. Roberts Jr.

That is because he was a member of the three-judge panel of the federal appeals court here that rejected Hamdan's challenge to the commissions, overturning a ruling issued by U.S. District Judge James Robertson last November.

The appeals court issued its decision on July 15, four days before Bush named Roberts to the Supreme Court. When Hamdan's lawyers filed their Supreme Court appeal three weeks later, it was obvious that Roberts, if confirmed to the Supreme Court, would be ineligible to participate.

French Officials Call in Police, Impose Curfews Following Riots

By Mark Landler and Craig S. Smith
THE NEW YORK TIMES

PARIS

The civil unrest sweeping France spread to nearly every major city in the country by Monday, claimed its first death, and even touched two cities elsewhere in Europe as the French government sought to reassure a jittery nation that it can quickly bring the escalating situation under control.

"The government response is one of firmness," Prime Minister Dominique de Villepin said on television late Monday, calling the violence "unacceptable and inexcusable." He said the government would call up 1,500 police reserves to reinforce the 8,000 police officers who are already waging nightly battles in the streets. He said some towns would impose curfews to keep marauding youths

off the streets, but ruled out for now sending the army into the suburbs with populations largely of West African and North African origin where the unrest has grown.

"We are not at that point," Villepin said, but added, "at each step, we will take the necessary measures to re-establish order very quickly throughout France." France has already deployed paramilitary riot police officers in many troubled neighborhoods, but has avoided aggressive tactics for fear of sparking an incident that could further escalate the violence.

On Monday, a man from suburban Stains died after being beaten Friday by a gang of rioters.

The local police officers assigned to poor suburbs, who have been objects of scorn to the rioting youths, are often inexperienced and ill-equipped, according to a recent report from the

National Commission on Ethics in the Security Services. The report said that a lack of training led to behavior that was at best clumsy and at worst racist in those neighborhoods with large immigrant populations.

France was slow to react to the spreading violence (which was set off by the accidental deaths of two youths on Oct. 27) in part because the initial nights of unrest did not seem particularly unusual in a country where an average of more than 80 cars were set on fire every day this year even before the violence.

The government at first seemed distracted by internal political squabbles as the arson and attacks on the police gathered momentum last week and hoppedscotched across the nation. It then appeared paralyzed as the violence spiraled into the worst civil unrest that France has faced in nearly 40 years.

WEATHER

Is It Warm or What?

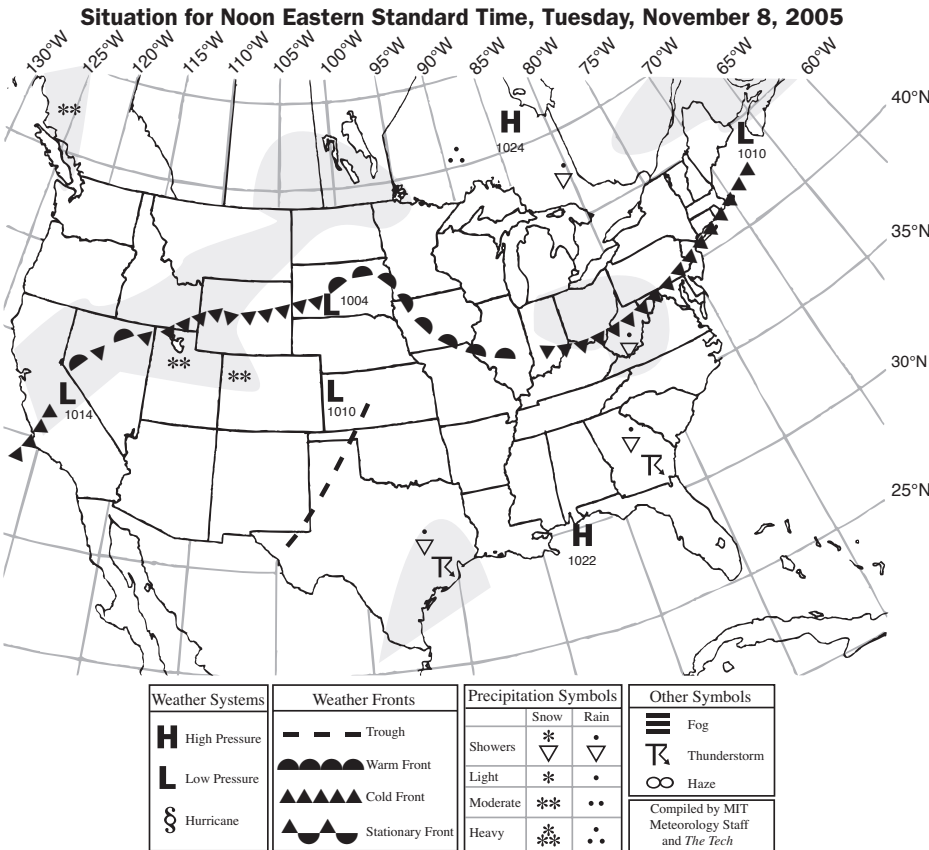
By Cegeon J. Chan
STAFF METEOROLOGIST

Yesterday's windy weather didn't make it seem the warmest, but temperature-wise, it was slightly warmer than the climatological average. In fact, for the first six days of November, Boston has been averaging about 8 degrees warmer than normal. Moreover, since June, according to the National Weather Service, Boston's temperatures have been above-normal every month.

This warm trend will continue for at least one more day. A cold front will move through the region tomorrow dropping temperatures back to the upper 40s°F. After the rain showers clear through mid-week, dry conditions will move in, likely lasting through the weekend.

Extended Forecast

Today: Clearing skies. Highs in the lower 60s°F (16°C).
Tonight: Mostly clear. Lows in the mid 30s°F (1°C).
Tomorrow: Cloudy in the morning. Showers likely in the afternoon. Cooler. Highs in the upper 40s°F (9°C).
Tomorrow night: Showers. Lows in the mid 40s°F (8°C).
Thursday: Mostly clear. Highs in the lower 50s°F (11°C).



Suicide Bomb Kills 4 Soldiers In Deadliest Attack in Months

By **Sabrina Tavernise**
and **Kirk Semple**
THE NEW YORK TIMES

BAGHDAD, IRAQ

A suicide bomber plowed a car loaded with explosives into an American checkpoint here on Monday evening, killing four American soldiers in the single deadliest suicide bombing against an American target in more than four months.

The bomber struck the checkpoint around 5 p.m. on Monday on a road in southern Baghdad, said Spc. Ricardo Branch of the 3d Infantry Division, the Army unit that patrols the capital. The military declined to say precisely where the attack took place, or how the bomber managed to penetrate the security barriers that often shield such locations.

Elsewhere, the military released a statement on Monday saying it had disciplined five soldiers from the 75th Ranger Regiment, an elite Army unit, and had charged them with violations related to abusing detainees. The soldiers were charged with kicking and punching three detainees as they were waiting to be moved to a detention facility on Sept. 7.

And in Washington, the Pentagon announced planned troop rotations that would leave a force of at least 92,000 in Iraq through 2008, though officials emphasized that the numbers could change.

The suicide attack was the largest against U.S. troops since June, when a suicide car bomber drove into an American convoy in Fallujah, a rebellious city west of Baghdad, killing at least six people. Before that, the most lethal attack came in the spring of 2004, when a car bomber killed eight soldiers, also in southern Baghdad.

Suicide car bombings against American soldiers are rare, and the attack underscored the increasing skills of insurgents here. Military commanders acknowledge that insurgents are now staging more sophisticated attacks, but say troops have responded to the changes.

Of the more than 2,000 American deaths in Iraq to date, most have been caused by soldiers' vehicles hitting remotely detonated roadside bombs. Suicide bombers have tended to strike so-called soft targets, like mosques and markets, where security

is virtually nonexistent.

The attack came as U.S. Marines, assisted by Iraqi troops, fought insurgents for a third day in a major sweep in the town of Husaybah, an insurgent gateway into Iraq on the Syrian border. Thousands of troops scoured about 350 city blocks, killing numerous insurgents and punching nearly to the eastern edge of town.

Since May, the American command has conducted at least 10 sweeps of towns along the Euphrates River in Anbar Province, a heavily Sunni Arab area that has been an entry point for foreign militants in Iraq. This summer, the military began setting up a permanent presence in some of the towns, and spokesmen have said they will do the same in Husaybah.

Several Marines were wounded in fighting on Monday — officials did not release the exact number — but none were killed. Only one Marine has been killed in the operation, officials said. Ground resistance was light, with the Marines coming under only sporadic fire from AK-47 assault rifles, rocket-propelled grenades and at least one hand grenade.

Music Sharing Program Grokster Goes Offline After Suit Settlement

By **Jeff Leeds**
THE NEW YORK TIMES

LOS ANGELES

Grokster, a developer of file-swapping software used to trade copyrighted music and movie files, said Monday that it would halt distribution of the software and cut off support for its associated network as part of a landmark settlement with the recording industry and Hollywood studios.

The agreement comes four months after the Supreme Court unanimously ruled that Grokster could be held liable for copyright infringement by users of its software, a decision that delivered a decisive victory to entertainment companies, particularly music labels, which have blamed widespread digital piracy for a worldwide slump in sales.

The court decision sent the case back to a trial court, but the settlement — submitted to a federal judge in Los Angeles on Monday — averts further legal wrangling for Grokster in the four-year-old lawsuit.

Grokster also agreed to pay up to \$50 million in damages, though music executives say they do not expect

to collect because the software company lacks the resources to pay.

The deal also includes an injunction that bars Grokster from directly or indirectly infringing the plaintiff's copyrighted material.

While Grokster is disappearing in its original form, the underlying case that culminated in the Supreme Court showdown may continue. Grokster's co-defendant in the case, Streamcast Networks, the promoter of a file-sharing network known as Morpheus, has indicated that it plans to keep battling the movie studios and record labels in court.

More broadly, the popularity of file-sharing networks shows little sign of waning in the wake of the settlement, or the earlier court decision. An estimated 9.2 million people are using various so-called peer-to-peer networks at any one time, according to the BigChampagne, a data service. Indeed, the figure has edged up from 8.8 million in June.

And it is a global problem. In Hong Kong on Monday, a man received three months in jail for using an Internet file-sharing system to make three Hollywood movies avail-

able for others to download for free.

"I don't think, practically speaking, we're expecting to see much of impact in the peer-to-peer landscape," said Eric Garland, BigChampagne's chief executive, based on the agreement Monday. "People moved on from tools like Grokster some time ago."

The entertainment industry continues to scramble to keep pace, taking legal action against file-sharing networks in Australia and South Korea.

The campaign, spearheaded by the Recording Industry Association of America, has also taken aim at individual computer users. (The major labels have sued more than 15,000 people since the effort began two years ago.)

The recording industry has said its extensive legal campaign is intended to gradually deter the entrepreneurs who run many of the biggest file-sharing networks and the advertisers that support them, all while driving music fans to authorized services like Apple Computer's iTunes, which sells individual songs for 99 cents each.

Romney States Support for N.E. Plan To Reduce Greenhouse Gas Emissions

By **Scott Helman**
THE BOSTON GLOBE

Massachusetts Governor Mitt Romney Monday signaled his support for a regional agreement among Northeast states to reduce greenhouse gas emissions, despite opposition from power companies and other business interests lobbying the administration against the plan.

In opening remarks to a clean-energy conference in Boston, Romney said the first-of-its-kind agreement, under which Massachusetts and eight other states could be required to cut power plant emissions by 2020, will not hurt the economy as some have charged. He argued it would spur businesses to develop clean- and renewable-energy technology to market worldwide.

"This is a great thing for the Commonwealth," Romney said, his strongest endorsement of the pact to date. "We can effectively create incentives to help stimulate a sector of the economy and at the same time not kill jobs."

But some companies are worried that the emissions agreement would

send energy prices even higher and make Massachusetts less friendly to business, so Romney's overall support for the initiative could add another wrinkle to his checkered relationship with the corporate community.

"I would certainly hope that the administration would rethink where they're heading on this," said Richard C. Lord, president and CEO of Associated Industries of Massachusetts. "We think there will be some serious negative impacts on the business climate here."

Romney said Monday that he had some concerns about the agreement, known as the Regional Greenhouse Gas Initiative, but he endorsed this and other clean-energy initiatives by saying they would stimulate the development of technology that Massachusetts companies could sell to other states and countries as the emphasis on climate change grows.

"I'm convinced it is good business," Romney said. He cited analyses showing that the agreement would boost energy prices by just 1 or 2 percent.

Businesses and environmental-

ists have been lobbying Romney hard for months on the proposed accord, which, according to a draft proposal released in August, would call for the nine states — the six New England states plus New York, Delaware, and New Jersey — to freeze power plant emissions at current levels and reduce emissions by 10 percent by 2020. The effort, led by Governor George Pataki of New York, is seen as recognition by the states that with the federal government not acting to regulate greenhouse gases, it is up to them to ease global warming.

Organizers in each state continue to hammer out a final agreement, expected soon. They will hold a conference call Thursday to discuss the accord in light of higher-than-expected energy costs anticipated for this winter.

"New York and other states are committed to enacting an effective, regional greenhouse gas program that will reduce CO2 emissions from power plants, combat global warming, and improve air quality," Peter Constantakes, a Pataki spokesman, said in a statement.

Yahoo Seeks Bigger Market Share In Europe

By **Dan Bilefsky**

THE NEW YORK TIMES

PARIS

Yahoo said on Monday that it would pay \$500 million to buy the remaining shares of its British, German, French, and South Korean units to reduce its dependence on the U.S. market and to better compete with Google.

Technology analysts said on Monday that Yahoo, based in Sunnyvale, Calif., was eager to cement its control of its European businesses so it could take better advantage of the European online advertising market. But they said that Yahoo also wanted to catch up with Google's aggressive international expansion.

"The U.S. online advertising market is much bigger than Europe's, but it is a crowded market and the room for growth is shrinking," said Julian Smith, an analyst at Jupiter Research, a market research firm in London. "In Europe, online advertising is growing much faster and portals like Yahoo want to tap into that."

In Europe, revenue from online advertising is expected to reach 6.5 billion euros in 2010, from 3.2 billion euros, or \$3.8 billion, in 2005, according to Jupiter Research. In the United States, it said, annual online advertising revenue will increase to \$16.04 billion, from \$10.1 billion, during the same period.

U.N. Seeks to Question Six Syrians in Killing of Hariri

By **Katherine Zoepf**

THE NEW YORK TIMES

DAMASCUS, SYRIA

A U.N. team investigating the assassination of Rafik Hariri, the former prime minister of Lebanon, has formally requested that six Syrian officials travel to Lebanon for questioning, Syrian officials confirmed Monday.

Detlev Mehlis, the German prosecutor leading the investigation, sent the request last week in a letter to the U.N. secretary-general, Kofi Annan. Syria's Foreign Ministry confirmed Monday that it had received the demand through the United Nations in New York, but it made no immediate comment about whether Syria would comply.

The names of the six officials have not been released.

But the list is believed to include Asef Shawkat, the brother-in-law of President Bashar Assad and chief of military intelligence, who was named as a prime suspect in a preliminary report on Hariri's death.

Syria has repeatedly said it would cooperate with the investigation. But Mehlis' request that the officials travel to Lebanon poses a serious problem for the government.

There are fears, for example, that the officials could be arrested on foreign soil. While Mehlis does not have the authority to issue arrest warrants, he can recommend that the Lebanese police do so. It was on his recommendation, in September, that the Lebanese authorities arrested four generals with ties to Syria in connection with Hariri's death.

Monitors Report Fraud In Azerbaijan Parliamentary Vote

By **C.J. Chivers**

THE NEW YORK TIMES

BAKU, AZERBAIJAN

International election monitors said Monday that Azerbaijan's parliamentary election on Sunday had been tainted by fraud and abuse and failed to meet democratic standards. The monitors expressed Western disappointment that the nation had not lived up to the pledges of its president to hold a fair vote.

The unsparing assessment, issued by the Organization for Security and Cooperation in Europe, lent credibility to a bloc of opposition parties that had already declared the vote fraudulent. And it moved this small, oil-rich country on the Caspian Sea toward the possibility of clashes between opposition members and the police, who have dispersed antigovernment street rallies this year with force.

The bloc, known as Azadliq, the Azerbaijani word for freedom, vowed to hold peaceful demonstrations beginning on Wednesday, seeking to overturn many results in districts throughout the country.

"These elections were falsified," said Ali Kerimli, the head of one party, the Popular Front of Azerbaijan. His own bid to return to parliament ended on Sunday night when the police and election officials seized ballots and election documents indicating that he was leading in several polling stations.

Chile Arrests Peru Ex-Leader After a Flight From Japan

By **Larry Rohter**

THE NEW YORK TIMES

BRASILIA, BRAZIL

Alberto Fujimori, the disgraced fugitive former president of Peru, was arrested early Monday in Santiago, Chile, hours after his arrival on what was supposed to be the first leg of a triumphant political comeback.

The Peruvian government immediately sent a delegation to Chile to seek his extradition to stand trial in his homeland, but it was not immediately clear what would happen next, in part because of the countries' testy relations.

Under a longstanding international warrant, Fujimori, 67, has been wanted on charges involving 21 violations of human rights and acts of corruption committed during the decade he was in power. He has been stripped of his political rights, including the right to hold public office until 2011, but last month announced that he planned to defy that ban and return to Peru to run for president again in elections scheduled for April.

Fujimori governed Peru from 1990 to 2000. He took office after winning a popular vote, but shut down Congress in April 1992. After that, he ruled autocratically, maintaining control through a combination of corruption and intimidation with the assistance of an intelligence chief, Vladimiro Montesinos, who is already in custody.

OPINION

The Exact Opposite of Sacrifice

Barun Singh

Facing the only serious threat to this nation's sovereignty since our Constitution came into effect in 1789, President Franklin Delano Roosevelt had one primary message for the American people: sacrifice. Not just by those engaged in combat, but by those on the homefront. In his famous "Four Freedoms" speech in 1941, FDR stated:

"Yes, and we must prepare, all of us prepare, to make the sacrifices that the emergency ... demands. Whatever stands in the way ... must give way to the national need ... A free nation has the right to look to the leaders of business, of labor and of agriculture to take the lead in stimulating effort, not among other groups but within their own groups."

In response, the entire country, still reeling from the Great Depression, answered the call. By urging every citizen to engage in the war effort, FDR was able to not only change the production mode of an entire economy, but also to unite the entire nation towards a common cause, fostering a sense of patriotism not seen since.

In contrast, consider the present day. The President has told us for the last four years that we are engaged in a "global war against terror," one unlike any other, and one that will require sacrifice and persistence. It was a war spurred on by the only attack on American soil from without since Pearl Harbor. Despite this, where is the sacrifice on the homefront now? Where is the great cause to rally the citizenry and move the country towards a safer and brighter future?

The parallels between our current situation and World War II do not run very deep. Unlike World War II, our war was begun preemptively,

is being carried out in a very specific location (Iraq), with a very small group of players (with the US acting as an almost unilateral aggressor), and was founded either on lies or dubious misinformation. And while relatively few may have questioned the ethics of joining World War II, the majority of Americans now doubt the morality of the current war in Iraq.

There is, however, one aspect of the "war on terror" that essentially all Americans do agree on, and it does require sacrifice — the need to reduce our dependence on foreign oil. It is the only way to disconnect ourselves from the regimes that sponsor hostile terrorist activities and thus the key to success in the long run.

So what are we willing to sacrifice so that

What are we willing to sacrifice so that we can become energy-independent?

we can become energy-independent? Is big oil prepared to sacrifice some of its all-time high profit margins so that it might invest more in alternative energy research? Is the government willing to give up tax breaks for and budget allocations to interest groups (oil companies, the richest percent of the population, etc.)? Are average American citizens willing to give up their energy-wasting and utterly excessive SUVs or give up half an hour of their day by carpooling?

No. At least, not yet.

The only things it seems we are willing to sacrifice are the few remaining natural habitats left in our country. The Senate sent exactly this message by requiring the opening of the Arctic

National Wildlife Refuge for oil drilling, thus lifting a decades-old ban. The primary concern here is not just that conservation has lost out yet again to the oil lobby, but rather that this is the only answer our current administration is able to provide to the energy crisis.

The right way to reduce our dependence on foreign oil begins with a reduction in our excess consumption. We consume more energy per capita than any other nation, yet there been no real call from our government to conserve, and consumption continues to rise. The concept of changing our personal everyday habits for the sake of the greater good seems somehow anathema. But Americans have previously, when asked, been willing to sacrifice enormously on a personal level for the sake of the national interest. The rich have even been willing to sacrifice more than the poor (1944 saw a little-opposed 94 percent marginal tax rate on the rich).

The second part of the solution to our energy problem is, of course, to move towards renewable energy. Yet this administration has consistently cut the already grossly insufficient funding for relevant energy programs while increasing pork spending to record-breaking levels.

This president needs to start asking for some real sacrifices to achieve energy independence in the right way, and we must all be willing to meet that call — government, industry, and private citizens alike. The only way to succeed is if we are willing to consume less, and make the search for renewable energy our generation's moon landing. And how can we possibly be so willing to relinquish the few natural resources we have left to give to future generations when we aren't even willing to give up our most trivial creature comforts?



Chairman

Zachary Ozer '07

Editor in Chief

Kelley Rivoire '06

Business Manager

Lucy Li '06

Managing Editor

Michael McGraw-Herdeg '08

Executive Editor

Jina Kim '06

NEWS STAFF

News Editors: Beckett W. Sterner '06, Jenny Zhang '06; **Associate Editor:** Marie Y. Thibault '08; **Staff:** Rosa Cao G, Brian Keegan '06, Waseem S. Daher '07, Ray C. He '07, Tongyan Lin '07, Hanhan Wang '07, Tif-fany Chen '08, Michael Snella '08, Jiao Wang '08, Daniela Cako '09, Benjamin P. Gleitzman '09, Diana Jue '09, Laura Nicholson '09, Kir-tana Raja '09, Angeline Wang '09, John A. Hawkinson; **Meteorologists:** Cegeon Chan G, Robert Korty G, Jon Moskaitis G, Michael J. Ring G, Roberto Rondanelli G, Brian H. Tang G, Tim Whitcomb G; **Police Log Compiler:** Marjan Rafat '06.

PRODUCTION STAFF

Editors: Tiffany Dohzen '06, Austin Chu '08; **Associate Editor:** Rong Hu '08; **Staff:** Sie Hendrata Dharmawan G, Valery K. Brobbey '08.

OPINION STAFF

Editor: Ruth Miller '07; **Associate Editor:** Ali S. Wyne '08; **Staff:** Hector H. Hernandez G, Barun Singh G, Josh Levinger '07, Krishna Gupta '09.

SPORTS STAFF

Editor: Brian Chase '06; **Associate Editors:** Yong-yi Zhu '06, Travis Johnson '08; **Staff:** Chris Bettinger G, Caitlin Murray '06, Albert Ni '09.

ARTS STAFF

Editors: Kevin G. Der '06, Jacqueline O'Connor '06; **Associate Editor:** Nivair H. Gabriel '08; **Staff:** Bogdan Fedeles G, Yao-Chung King '06, W. Victoria Lee '06, Kapil Amarnath '07, Tony Hwang '07, Nikhil S. Nadkarni '07, Mirat Shah '08, Natania Antler '09.

PHOTOGRAPHY STAFF

Editors: Brian Hemond G, Stephanie Lee '06, Omari Stephens '08; **Associate Editor:** Yun Wu '06; **Staff:** Frank Dabek G, Stanley Hu '00, Scott Johnston '03, John M. Cloutier '06, Liang Hong '06, Grant Jordan '06, Edward Platt '06, Dmitry Kashlev '07, Scot Frank '08, Tiffany Iaconis '08, Christina Kang '08, Ni-cole Koullisis '08, Kenneth Yan '08, Connie Yee '08, Sally E. Peach '09, Ricardo Ramirez '09, Yalu Wu '09.

CAMPUS LIFE STAFF

Associate Editor: Bill Andrews '05; **Colum-nists:** Kailas Narendran '01; **Cartoonists:** Jason Burns G, John David Payne G, Emezie Okorafor '03, Juan Pablo Mendieta '06, Josie Sung '06, Jia Lou '07, Ash Turza '08.

BUSINESS STAFF

Advertising Managers: Jeffrey Chang '08, Yi Wang '08; **Operations Manager:** Jennifer Wong '07.

TECHNOLOGY STAFF

Director: Shreyes Seshasai '08.

EDITORS AT LARGE

Contributing Editor: Kathy Lin '05; **Senior Editors:** Satwik Seshasai G, Keith J. Winstein G, Jennifer Krishnan '04, Christine R. Fry '05, Marissa Vogt '06.

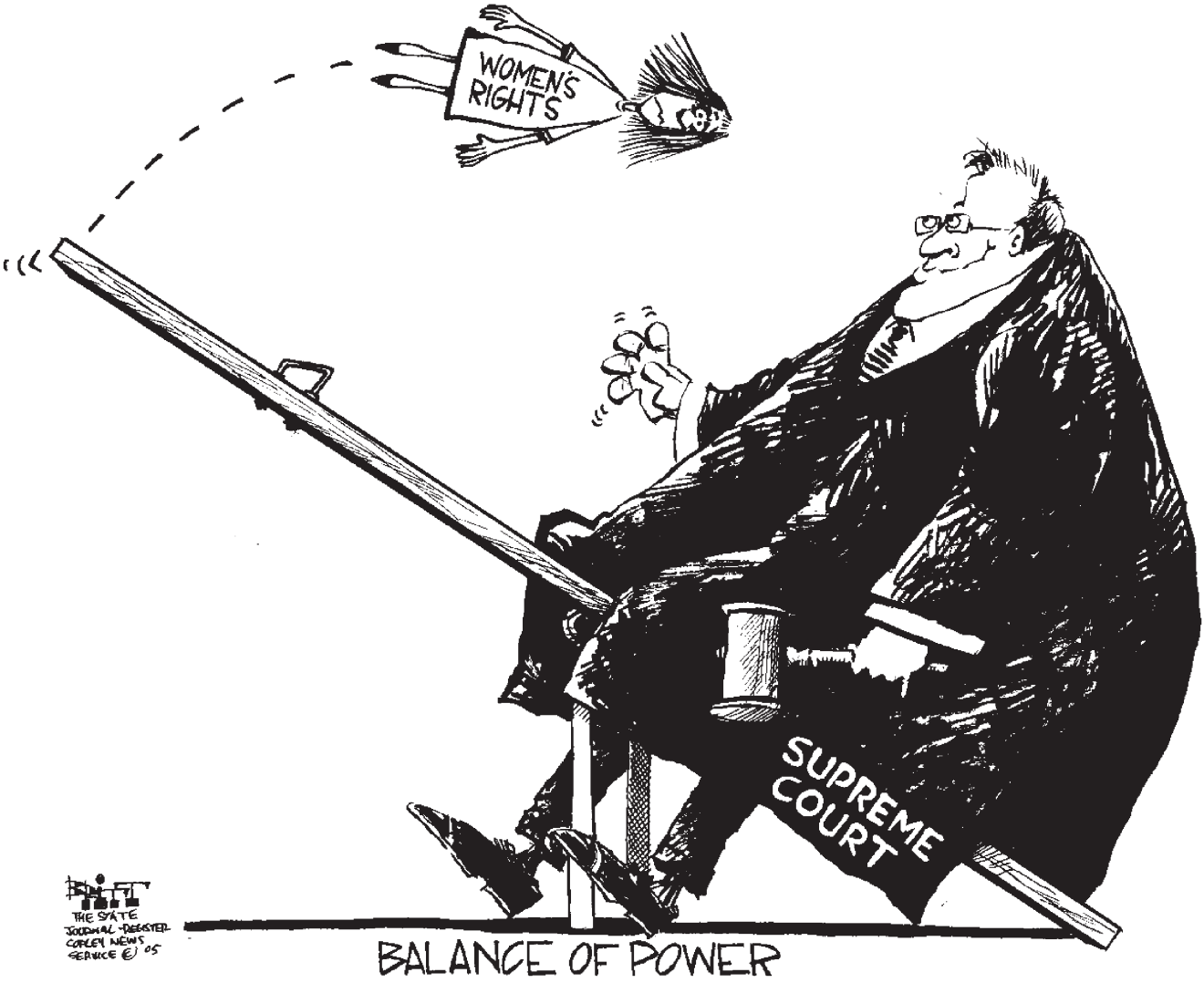
ADVISORY BOARD

Peter Peckarsky '72, Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry Surman '84, Robert E. Malchman '85, Deborah A. Levinson '91, Jonathan Richmond PhD '91, Saul Blumenthal '98, Ryan Ochylski '01, Rima Arnaout '02, Eric J. Cholankeril '02, Ian Lai '02, Nathan Collins SM '03, Jyoti Tibrewala '04, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Editors: Tiffany Dohzen '06, Austin Chu '08, Michael McGraw-Herdeg '08; **Staff:** Valery K. Brobbey '08.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$45.00 per year (third class) and \$105.00 (first class). Third class postage paid at Boston, Mass. Permit No. 1. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Facsimile: (617) 258-8226. *Advertising, sub-scription, and typesetting rates available.* Entire contents © 2005 *The Tech*. Printed on recycled paper by Charles River Publishing.



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, opinion editors, a senior editor, and an opinion staffer.

Dissents are the opinions of signed members of the editorial board choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted.

The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community and have the author's name in italics. Columns without italics are written by *Tech* staff.

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

Listen to Hugo Chávez

Ali Wyne

The growing tension between President George W. Bush and his Venezuelan counterpart, Hugo Chávez, emerges as discussions on the Free Trade Agreement of the Americas (FTAA) have stagnated or, some would argue, collapsed. It is tempting to dismiss Chávez's investives against international capitalism as undeserving of serious consideration, as he is admittedly predisposed to hyperbole and sensationalism. However, adopting such a posture is imprudent, because ideology retains a powerful degree of influence in shaping economic policy and, more importantly, his words convey some powerful truths.

As a long-term strategy, protectionism is widely recognized to be a prescription for failure, especially as the economies of the world become increasingly interdependent. The abysmal standards of living in Cuba and North Korea offer striking affirmations of this assertion, as did the implosion of the Soviet Union. Indeed, those who would have the world revert to isolation articulate a uniquely regressive and damaging strategy for achieving economic growth. Modern history suggests that successful states are those that maintain (roughly) free markets while preserving a robust legal, regulatory, and institutional apparatus to temper capitalism's vagaries.

This assessment is not incorrect, but it neglects to address the role that protectionism has played, and continues to serve, in guiding developed states' economic policies. In its August 2002 survey of free trade, *The New York Times* magazine affirmed that the United States, Germany, France, and Japan have historically developed their economies by quarantining their domestic markets from external economic forces, and that East Asia experienced a postwar growth "miracle" by protecting domestic manufacturers, isolating banks from foreign competition, and mandating that investors purchase domestic products and develop indigenous knowledge.

At present, although average levels of trade barriers are far lower than they were in the aftermath of the Second World War, many Western countries are still employing protectionism to their advantage, notably through agricultural subsidies. Consider that since the Uruguay Round, government subsidies to farmers in the United States and the European Union (EU) have risen by \$120 billion. Fully 40 percent of the EU's budget is devoted to agricultural subsidies. *The Economist*, widely regarded as the journalistic bastion of economic liberalism, issued a critique of Western subsidy policy:

Rich countries cut their tariffs by less in the Uruguay Round than poor ones did ... Rich countries are particularly protectionist in many of the sectors where developing countries are

best able to compete ... rich countries' average tariffs on manufacturing imports from poor countries are four times higher than those on imports from other rich countries. This imposes a big burden on poor countries. The United Nations Conference on Trade and Development (UNCTAD) estimates that they could export \$700 billion more a year by 2005 if rich countries did more to open their markets.

Indeed, at present, having established themselves as dominant economic centers, the progenitors of trade liberalization appear to be reverting to protectionism while compelling poorer states to open their own markets. The primary vehicles for implementing such changes are international economic institutions, notably the International Monetary Fund, the World Trade Organization, and the World Bank. To be sure, they are neither omnipotent nor intent on repressing the world's underdeveloped countries, as the fiercer critics of international capitalism would have us believe. However, there can be no question that the power with which they are vested has steadily increased since their emergence after the Second World War. Indeed,

The progenitors of trade liberalization appear to be reverting to protectionism while compelling poorer states to open their own markets.

they have considerably eroded the ability of lesser developed states to protect their inhabitants from external economic forces, and, indeed, punish those countries which oppose their prescriptions.

Consider, for example, that in order to obtain debt relief, most poor countries are required to consent to structural adjustment programs, which, on balance, prescribe rapid liberalization in spite of a given country's internal circumstances. After the debtor crisis of the 1980s, a large number of developing countries direly required such assistance, and, accordingly, had little choice but to adopt the measures, at great cost.

Another illuminating example of these improvident policies is the Trade-Related Investment Measures that were implemented at the Uruguay Round, which effectively "transformed core components of economic development policy into trade law violations." They furthermore mandated the elimination of tariffs "in many product categories that currently represent a substantial export income for the world's poorest countries." Some have properly referred to this process as "forced liberalization," especially

since poor states have such little representation in the forums in which crucial decisions are made.

To cite one uniquely compelling example: while "developing and transition countries have almost 80 per cent of the World's population, provide 75 per cent of [International Monetary Fund] income, [and] are subject to [all] IMF programs, [they] only have 36 per cent of the votes on the IMF board."

Economic globalization has largely anchored global economic growth for the past six decades and is properly credited for achieving this result. However, at present, developed states are far better able to understand and accrue dividends from international capitalism than their poorer counterparts. Redressing such inequities, then, is not only a moral imperative, but is also vital to the preservation and advancement of international economic integration. It is worth noting that, far from being irreversible, as many scholars and policymakers have argued, economic globalization can and has been stunted, with devastating consequences.

Recall, for example, the impact of the Great Depression. It was properly viewed at the time as a damning indictment of classical economic ideology, which maintained that protectionism served to interrupt the natural process by which markets restored societies to equilibrium. By so pointedly illustrating the market's limitations, it legitimated and nurtured the rise of a class of collectivist ideologies, chief among them fascism and socialism. While these philosophies initially appeared to offer remedies to the tenuous dictates of laissez-faire economics, they incubated some of the deadliest regimes that modern history has witnessed, particularly the Third Reich in Germany. Just as competing nationalisms and policies gave rise to the First World War 25 years earlier, competing collectivist ideologies and their corresponding policies clashed in perhaps the greatest worldwide shock that modern history has witnessed: namely, the Second World War.

Admittedly, in recent memory, the global economy has experienced no crisis on the scale of the Great Depression, and, at least for now, does not appear primed to. However, as ideological opposition to economic liberalism grows worldwide, and socioeconomic disparities perpetuate, it would be unwise to dismiss as unrealistic the prospect of a global conflagration similar to the one that I highlighted above. The melodrama of Chávez's repeated calls for a war against capitalism undercuts their resonance in developed states, but amplifies it in poorer states. Accordingly, even if they may regard his statements with amusement, resentment, or a mixture thereof, Western leaders would be remiss to ignore their widespread appeal, as well as their potential for upsetting the international order.

Separation Anxiety

Hector Hernandez

When I arrived at the Institute five years ago, I was eager to dive into the MIT experience. The diverse scope of scientific and social topics gave me a glimpse of the ongoing and evolving impact MIT has in the world. I finally found a place that kept me engaged and focused with its relentless pursuit of knowledge and excellence. Excitement pumped in my chest, and interest glimmered in my eyes.

As I near graduation, I feel conflicted about the degree of my success, because the measure of success in any scientific field is dictated by the publications an individual accumulates.

How can six years of hard work lead to this feeling of dissatisfaction? I chose to work with some of the brightest, most dedicated minds in biochemistry trying to understand the underlying questions of enzyme specificity and regulation. I thought in my infinite ignorance that I could make a big contribution to the questions surrounding my topic. My hubris has stretched thin, and I am left with the actuality of my tenure at MIT.

But am I here to be the bright shining light in my field, or am I here to gain knowledge and wisdom? Knowledge allows me to identify emerging problems that need addressing, and wisdom enables me to differentiate between just another experiment and the one that will help unify and galvanize my field of study. But is this pursuit of knowledge limited to one's focused field of study? I think that the more aware you are of trends in other fields of research, the better equipped you are to analyze and reach conclusions in your own area of interest. Knowledge is gained through experience or study. Wisdom is the ability to utilize knowledge gained to reach insightful and educated hypotheses about the world around us.

If this is the goal of graduate school, then why do I feel so despondent? The small timepiece on my laptop now reads 4:41 a.m. I continue to toil, awaiting the results of my ex-

What about all the other experiences I have had outside of my research?

periments that could lead to a moment when I can say "now I have found something worth sharing with others." Because of the nature of the question, progress is carried out in small increments. It seems that for every leap taken, there are slides and slips that continually return you to a place that is just a small step from where you started. I have gained considerable knowledge these last five years — much more knowledge than I thought possible. There is an extensive list of things that do not work. Knowing what not to do is much more educational than knowing what to do. But there are no journals of failed experiments. There is no great deposit of information about what not to do when performing experiments. This is left for each individual to figure out. How do we recognize that experimental failure is acceptable and necessary in the laboratory?

What about all the other experiences I have had outside of my research? Those encounters have presented opportunities for growth in a safe environment where the penalty for committing errors is relatively low. The exposure to different facets of life as an academic has prepared me as no laboratory experiment ever could. But this component of my education is not viewed as a set of experiences that lead to the successful pursuit of a degree. They somehow detract from the completion of the task at hand.

I think of my passage through MIT and how it has not been a direct, uninterrupted journey to the end. It resembles the trail of a blind man who stumbles through perilous territory. I have been elated and deflated by the successes and failures along the way. They say the last six months are the worst. Despair and abandonment seem to be your constant companions. I consider myself fortunate to be able to draw from all my experiences at the Institute. My hope is that the knowledge gained at the Institute will translate into wisdom. I have agonized over whether I have the grit to direct not only my own path, but the paths of individuals whom I mentor and guide. It is easy to give advice when things go well. Only time will tell.

Rotten Apples

Ruth Miller

The way you see those little white wires dangling out of people's ears, you'd think Apple was the Second Coming. The iPod succeeded in making Apple hip, but power corrupts, and how long will it be before Apple goes the way of Microsoft?

When you ask for computer purchasing advice at MIT, the likely answer is a thunderous "get an Apple!" I was computer shopping over the summer, and my friend/Apple intern had been pressuring me to switch to Apple since we met. I then ran into my GRT at my friendly neighborhood Apple store, who was also happy to see me preparing to switch. It seemed like everyone else I knew was chim-

ing in to help me switch to Apple.

No one spoke for Microsoft, but can you blame them? The "blue screen of death," monopoly litigation, and pain-inducing customer service are all trademarks of the greedy capitalist pig that is Microsoft. Apple, with its

Is Apple getting sloppy?

clean lines, pretty packaging, and posh everything is the epitome of cool. It's the kinder, gentler technology giant that's never too big to welcome another member. There's definitely a feeling of camaraderie among Apple users. It started off as a necessity for survival when they were in the extreme minority, but now it's

a less exclusive, and less tightly bound, club. With that expansion, decline in service is an inevitability.

I was one of the poor fools to get a third-generation iPod. My battery life is currently 45 minutes, I cannot upload songs that I purchased at the iTunes store, and it doesn't recognize playlists (uploaded or On-The-Go). A switch in banks and failure to keep a receipt means that I'm stuck with this \$239 piece of stylish crap. I'm still hesitant to pony up another couple hundred dollars for a replacement, even if the market-tested products seem more reliable.

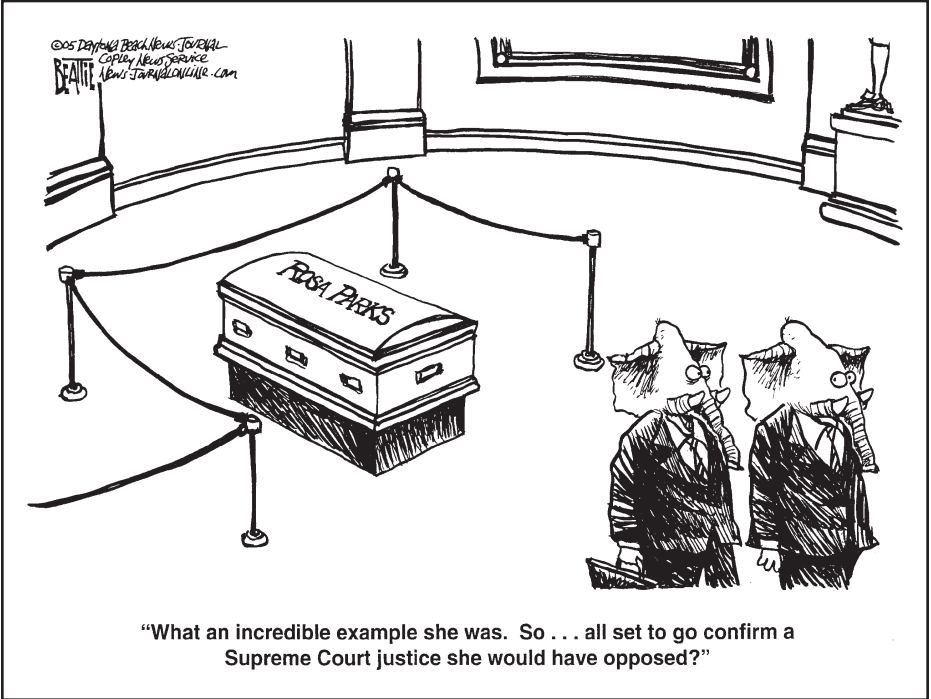
The new iPod Nanos are also reported to be problematic. The screen scratches very easily, and the Apple extended family is crying negligence — surely Apple knew of the flaw before it released the product, but released it anyway.

Worse yet, the Video iPod. I haven't heard of any technical flaws, but I just don't get the appeal of a 2.5" screen with two hours of battery life. The most disturbing part of this product was the fanatical media reception. One mock ad from <http://aboyandhiscomputer.com/> summed it up best:

Apple iProduct. You'll Buy it. And You'll Like It.

Do you like Apple products? Do you live for every product announcement, every incremental upgrade, every rumor and screenshot? Do you wank and blare and drone and fucking gurgle about Apple products morning, noon, and night? Then get ready for iProduct. You'll be blown away. No matter what it is.

Is Apple getting sloppy? Are they too excited by their success with the iPod to push the envelope, or are they just trying to cash in? Prior to the iPod, Apple was known for its customer service, sense of community, and well-made products. Microsoft would give anything for that kind of publicity. Hopefully, Apple will stop selling out and start getting back to its basics.



ARTS

FILM REVIEW ★★★ 1/2

*In Heaven or on Earth, 'Paradise Now'**Film Profoundly Poses Israeli-Palestinian Questions*

By Andrew Guerra

Paradise Now

Directed by Hany Abu-Assad

Written by Hany Abu-Assad, Bero Beyer, and Pierre Hodgson

Starring Kais Nashef, Ali Suliman, and Lubna Azabal

Rated PG-13

Now playing at Kendall Square Cinema

A certain amount of courage is required to create any sort of portrayal of the Israeli-Palestinian conflict. To depict a conflict so deeply rooted and contentious is to invite controversy, particularly when the portrayal does not clearly favor one side, as is the case in "Paradise Now." Perhaps for this courage alone should "Paradise Now" be praised. Yet it is the dedication to this fair-minded portrayal that truly deserves recognition. Through this balanced depiction of a polemical conflict, the film invites viewers to determine for themselves how to view suicide bombing, the Israeli-Palestinian conflict, and even wider questions on the meaning of dignified life.

"Paradise Now" follows the story of two Palestinians, Said and Khaled, first in their ordinary lives, then as they prepare for a suicide mission in Tel Aviv, and finally through the mission's execution, as each struggles with whether he can follow through. At first glance, Said and Khaled seem to have fairly decent lives. In the beginning of the film, both have jobs working for a mechanic. Both have loving families. Finally, they both have each other, and the depth of their friendship only becomes more apparent

as the film progresses.

Said also has attracted the attention of a young woman, Sula, the daughter of a famous late Palestinian resistance leader. Yet Sula was born and raised in France and Morocco, and her views reflect this foreign perspective. Her belief that suicide bombing forfeits the moral high ground and only leads to further violence is an essential counterpoint to the beliefs of the resistance leaders and Said and Khaled themselves.

It becomes apparent that neither Said, nor Khaled, nor even the wealthy Sula is free from oppression. The film subtly introduces the injustices of being searched, the nonchalance with which the sound of an explosion is met, the inability to travel, the lack of work, and the juxtaposition of the disrepair of the town in which Said and Khaled live and the clean, new Tel Aviv. Said and Khaled speak of a life without dignity, and it's not difficult to imagine that they might feel as though their situation is intolerable.

Yet "Paradise Now" indicts both Israeli treatment of Palestinians and the Palestinians themselves. The Palestinian resistance leaders who recruit Khaled and Said for the suicide bombing mission are portrayed as casually sending the two friends to their deaths. These leaders also manipulate Khaled and Said to ensure they fulfill their mission through religion and displays of wealth and power. In addition, Khaled particularly is portrayed as thoughtless. He simply follows along with what he is told until extremely late in the film, when he is forced into confronting the implications and

consequences of his actions.

While dealing with a very specific conflict, "Paradise Now" manages to utilize more universal themes and symbols to allow the audience to relate more directly to the proceedings on screen. The idea of a dignified life is raised repeatedly and the consequences of a lack of dignity and the methods by which one can fight to regain dignity are all explored. As is logical, the theme of sacrifice is also explored, as well as the worthiness of the sacrifice and what consequences it could have on others.

Loyalty is also a central theme of the film. It is portrayed in the loyalty of Said and Khaled to each other, loyalty to one's family, as well as loyalty to ideals and organizations. These themes are universal and allow the viewer to more closely relate to the characters as well as providing a starting point for a consideration of the film as a whole. Finally, in preparation for their suicide mission, Khaled and Said have a last meal, which was filmed in such a manner as to evoke an image of da Vinci's "The Last Supper," again introducing an interesting comparison for the viewer to consider.

"Paradise Now" certainly isn't perfect. The pacing, while appropriate for the mood of the film, is slightly slow. There is one point in the film when a character undergoes a major shift in opinion that occurs too quickly and without enough characterization. Finally, the plot also becomes somewhat predictable towards the end; yet these problems are minor. In general the acting is excellent, with a standout performance from Kais Nashef as Said. The cinematography is beautiful, the directing intelligent



WARNER INDEPENDENT PICTURES

Khaled (Ali Suliman) and Said (Kais Nashef) are two potential suicide bombers in "Paradise Now," a film that examines the Israeli-Palestinian conflict and themes of dignified life, loyalty, and sacrifice.

and intriguing, and the mood is perfect. When you go see "Paradise Now," because you should, it will probably be the most thought-provoking film you'll see all year.

FILM REVIEW ★★★ 1/2

*Two Centuries Later, 'Pride and Prejudice' Still Delightful**Jane Austen Novel Adapted Perfectly for Modern Moviegoers*

By Yong-yi Zhu

STAFF WRITER

Pride and Prejudice

Directed by Joe Wright

Written by Deborah Moggach

Based on the novel by Jane Austen

Starring Keira Knightley,

Matthew MacFayden

Rated PG-13

Opens Friday, Nov. 11, 2005

Much as a tender heart can be touched and transformed by love, so your moviegoing experience will be enlightened and enchanted by the brilliance of Joe Wright's "Pride and Prejudice." His adaptation is absolutely perfect for the big screen; from the music to the camerawork to the casting, everything about this film will absolutely dazzle you.

The story is a classic. Mrs. Bennett (Brenda Blethyn) wants all of her daughters to marry rich, successful men. Unfortunately, she has five of them to send off. Jane (Rosamund Pike) is the eldest, and the best prospect of the bunch. Elizabeth (Keira Knightley), on the other hand, is younger and much plainer-looking than Jane. One night, when they go to a ball, they meet two men, Charles Bingley (Simon Woods) and Fitzwilliam Darcy (Matthew MacFayden). Bingley is a terribly amiable character, and he takes to Jane immediately. Darcy, on the other hand, is

caught calling Elizabeth "barely tolerable." From then on, the film reveals how all the relationships between the suitors and the daughters play out.

Be forewarned: this film is not the BBC adaptation with Colin Firth—this is a movie, not a miniseries. As much as one might be tempted to compare the two, they reside in completely different realms. With five hours, one can recreate every detail in the novel. With only two hours, Wright had to pick and choose what he wanted to include, and he captured all the major themes of the book. Not only did he include the most relevant parts of the novel, he also picked the perfect actors to play the parts. The hidden gem in this movie is Matthew MacFayden. He may not be Colin Firth, but his portrayal of Mr. Darcy is more than adequate. His aloofness, shyness, and subtlety in portraying Darcy's love for Elizabeth are absolutely brilliant. His performance, in fact, bewitches us "body and soul."

When I first heard the casting of Knightley as Elizabeth, I was skeptical of whether or not any actress could top her presence. After all, Jane is supposed to be lovelier than Elizabeth. Somehow, not only does Rosamund Pike fit perfectly into the role of Jane, she manages to light up the screen every moment she is on camera. Her cheeriness and upbeat outlook help her seal the deal as a perfect Jane.

Pike could never have pulled off Jane without Knightley looking plain, and that's where the

costume and makeup artists performed magic. She constantly has grime on her. Her dark brown hair makes her average and her drab clothing gives her a dull look. Her performance, however, is anything but ordinary. The role is incredibly subtle, much like MacFayden's. She cannot reveal too many of her feelings, yet at the same time, she has to be brutally blunt to her other suitors. Knightley pulled off that tricky balance of extreme prejudice and hidden pride.

Donald Sutherland and Brenda Blethyn, who play Mr. and Mrs. Bennett, are wonderful as parents. While the mother's emotions are out of control, the father is as detached as a parent of five girls can be. That contrast helps to further explicate the chaos in the Bennett home.

In addition to the casting, the rest of the film is also well done. The camerawork is superb, to which the opening shot of the movie can attest. The camera finds its way across the yard outside the Bennett house, snakes through the house and heads out the back door to travel into the yard again. The

film is in fact littered with these winding camera shots. Instead of using five hours to portray the action associated in many different times, Wright uses these shots to give a fuller picture of what everyone in the film is doing all at once; something that a book can do easily, but is not so simple in a movie.

Wright incorporates the music beautifully into the film, as he often blends a particular character playing the piano into the background. Wright also uses symmetry thought the film to depict the absolute grandeur of the building, rooms and scenes in 19th century England. The shots are so poignant that they stay in your head long after the movie is over, causing you to wonder whether you should buy a castle in Derbyshire. What you shouldn't wonder about is whether or not to see the movie: the answer is obviously yes.



FOCUS FEATURES



FOCUS FEATURES

(Above) Keira Knightley stars as Elizabeth Bennett in the remake of Jane Austen's classic romance, "Pride and Prejudice."

(Left) Bennett takes the arm of Mr. Darcy (Matthew MacFayden).

FILM REVIEW ★1/2

Owen and Aniston ‘Derailed’ by Adultery

Lack of Realism Brings Dull Thriller to a Halt

By Yong-Yi Zhu
STAFF WRITER

Derailed
Directed by Mikael Hafstrom
Written by Stuart Beattie
Based on the novel by James Siegel
Starring Clive Owen, Jennifer Aniston,
Vincent Cassel
Rated R
Opens Friday, Nov. 11

One easy message to take away from “Derailed” is the following: don’t ever cheat on your wife or your life will fall apart. Despite the simplistic summary, the plot of the movie is a bit more complex. Clive Owen is Charles Shine, a business executive with a troubled family. His daughter, Amy (Addison Timlin), has Type 1 diabetes. She not only needs plenty of medicine, but she also a new kidney. His wife, Deanna (Melissa George), is a school teacher and does not earn enough money to support the family to the same degree that Charles can. He must therefore keep his savings to pay for his daughter’s medical bills.

One day, when Shine misses his usual train to work, he bumps into Lucinda Harris (Jennifer Aniston), another married investment banking executive, with a small daughter. She pays for his train ticket because he forgot to get cash before the train ride, and Shine feels indebted to her. He conjures up reasons to call her and to have lunch with her. Eventually, he decides

to go out with Lucinda at night, making up a phony excuse to his wife. The two end up at a decrepit hotel after dinner where they are both about to commit adultery when a stranger named Philippe Laroche (Vincent Cassel) barges in with a gun. He robs them, violently beats up Shine and brutally rapes Harris. Of course Shine and Harris cannot tell anyone about this, because of their adulterous act, and Laroche uses this to his advantage.

From there, the movie takes a twisted turn for the worse as Shine is forced to pay money to Laroche in order to keep him away from his family. Shine is stuck between paying off Laroche and neglecting his daughter’s medical bills, or contending with this dangerous character.

The movie is incredibly suspenseful due to the feeling that Laroche is everywhere and is willing to do anything to get money from Shine. Often times, it is also painful because Shine appears to make every bad decision possible. The more he caves in to the demands of Laroche while not telling anyone about his desperate situation, the more he ignores the authorities and the people who can really help him. Clive Owen is great at being constantly pained. His subtle facial expressions and his commanding demeanor make him the perfect victim of Laroche. You know that Shine understands everything he is doing is wrong, so you have to empathize no matter how stupid he may appear to be.

Cassel is perfect as the tormentor. The two



WEINSTEIN COMPANY
Lucinda (Jennifer Aniston) and Charles (Clive Owen) are two threatened lovers in the new thriller “Derailed.”

pair up to make you really believe in the torrid relationship between the evil villain and the helpless protagonist. Jennifer Aniston, though, is a weak link in the acting. She is simply not convincing as the woman attracted to Owen. Instead, she is unemotional and aloof. Let’s just say I wouldn’t want to have an affair with her. Perhaps Aniston’s poor acting is because of

the lack of chemistry between her and Owen. Their relationship appears forced, and they drain energy from each other when both are on screen. There is a shot of the two having a conversation on a train in which you cannot imagine what the two find desirable in each another. The result is a movie that is slow to engage and tough to believe.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent
★★★: Good
★★: Average
★: Poor

★★ **A History of Violence**
After killing two men in his diner out of self defense, Tom Stall (Viggo Mortensen) is forced by the mob to confront his past. There is a moment during the film when you wonder what it’s all about, not because it’s too deep, but because too many things are happening, and nothing seems to come together. (Yong-yi Zhu)

★★★★ **Capote**
For a movie about a brutal murder, this film pursues its subject, the relationship between a writer and a killer, in an eerily peaceful mood. Like the lonely house where the murder happened, Truman Capote, a writer for “The New Yorker,” and Perry Ellis, a convicted murderer on death row, are emotionally distant, though they yearn for a connection. In what is unquestionably one of the best films of the year, we watch Capote struggle between his self-interested, manipulated goals as a writer and his honest love of a cold-blooded killer. (Beckett Sterner)

★★★½ **The Constant Gardener**
Though this may appear to be a film about the drug companies taking advantage of Africans, it is in fact a story about what a man will do for a woman he loves with every ounce of his strength. If you want a smart film that’s not only well done but is also pleasing to watch, this is a must. (Yong-yi Zhu)

★★★ **Domino**
Loosely based on the true story of Domino Harvey, this well-paced thrill ride recounts the tale of the model-turned-bounty-hunter, disgusted with the pretensions of 90210-ers and wanting to live life on her own terms. Played with rebellious fire by Keira Knightley, Domino turned her back on a privileged life

and became one of the most notorious bounty hunters in Los Angeles, hunting down society’s nastiest criminals and bringing them to the law. (Danbee Kim)

★★½ **Doom**
This film, starring The Rock as a space marine, was made primarily for fans of the “Doom” computer games, leaving everyone else to suffer through what is essentially a mindless action flick. Fans probably won’t be bothered that the movie has no plot, but anyone else should give it a miss. (Andrew Guerra)

★★½ **Elizabethtown**
Would you feel like committing suicide if your company lost \$972 million on your watch? Drew Baylor (Orlando Bloom), is responsible for exactly that at the beginning of this film. When Drew heads home to cope with the death of his father, he falls in love with Claire (Kirsten Dunst), a flight attendant, mends ties with his Kentucky family, and addresses his feelings about the spectacular failure of his line of shoes. (Natania Antler)

★★★ **Good Night, and Good Luck**
In the era of McCarthyism, one reporter from CBS, Edward R. Murrow (David Strathairn), went on the air to take down Senator McCarthy and his fire-and-brimstone tactics. The gaudiness and questionable quality of current national news networks contrasts with the work done by Murrow in this film. It represents a quick break from the onslaught of violent images and biased reporting, providing a model for the highest level in TV broadcasting. (Kapil Amarnath)

★★★ **In Her Shoes**
Maggie (Cameron Diaz) is sassy, flirty, and carefree, willing to let her looks pay her way through life. Her sister Rose (Toni Collette) is a self-conscious workaholic who tries to be responsible enough for both herself and Maggie. It isn’t until they learn to step into each other’s shoes and understand their relationship from

the other’s perspective that they can fully appreciate their sisterhood. (Danbee Kim)

★★½ **Jarhead**
At the beginning of this film, Jake Gyllenhaal sits on the toilet, Camus’ “The Stranger” in one hand, a bottle of laxative in the other. By the end, he’s fought in the Gulf War, and he’s woken up to the world. Sam Mendes’ “Jarhead,” though entertaining, fails to capture complex changes in its main character, and falls short of the high expectations thrust on it. (Kapil Amarnath)

★★½ **The Legend of Zorro**
The sequel to “The Mask of Zorro,” this film adopts the tried-and-true superhero action formula with the return of the masked Zorro (Antonio Banderas). It is a predictable movie with a predictable ending, but nevertheless enjoyable to watch. (Sie Hendrata Dharmawan)

★★ **Prime**
It’s a love story with the finest smattering of smart, funny lines that could pull laughs from any audience. The acting is superb, (Uma Thurman, Meryl Streep) and the story is intriguing. There is, however, a wistful sluggishness that makes “Prime” barely fall short of delivering a truly memorable experience. (Danbee Kim)

★★★ **Proof**
Hollywood once again successfully brings together mathematical genius and mental illness. For the first time on the big screen is a woman whose experiences highlight important

challenges facing women in math and science today. (Kathy Lin)

★★ **The Protocols of Zion**
Was there a major Jewish plot to bomb the twin towers on September 11? Were there thousands of Jews who didn’t die because they were warned not to go to work that day? These are questions that director Marc Levin sought to discredit in this documentary, which uses a series of vignettes to examine anti-Semitism and the problem of distrust of Jews in the United States. (Yong-yi Zhu)

★★★★ **Saw 2**
This film’s violence and gore is on par with other movies like “The Texas Chainsaw Massacre,” and its intensity matches that of traditional slasher films. Jigsaw (Tobin Bell) is back to his old tracks, once again kidnapping innocent people and forcing them to play sick games he has devised. This thriller pushes the bounds of macabre to new heights. (Yong-yi Zhu)

★★★★ **Shopgirl**
Mirabelle (Claire Danes) is a lonely artist and sales clerk at Saks Fifth Avenue, and soon meets Jeremy (Jason Schwartzman), a goofy artist, and Ray (Steve Martin), a wealthy middle-aged man. This is a drama about life and romance, and it is full of bittersweet challenges and decisions — it’s not a typical chick flick with a happy ending. (Jillian Berry)

Compiled by Kevin Der

“TURKEY AND THE ARMENIAN QUESTION:
ARE RECOGNITION AND RECONCILIATION
POSSIBLE?”

PROFESSOR FATMA MÜGE GÖÇEK
Department of Sociology
University of Michigan – Ann Arbor

MIT
Emile Bustani Middle East Seminar

Tuesday, November 8, 2005
4:30 – 6:30 p.m.
E51-095
70 Memorial Drive
Cambridge

OPEN TO THE PUBLIC

Sponsored by the Center for International Studies

T-SHIRTS

...a necessary fact of college life



- Deal direct...no middlemen
- Fast turnaround
- Award winning & computer literate art department
- Free delivery & Reasonable prices
- Most major organization logos on file for easy art work at no charge
- Full color heat transfers - no minimum!
- Web, print & graphic design

...and best of all - no boring lectures



ph - 617-625-3335
fx - 617-625-0404
email - info@qrsts.com
www.qrsts.com
serving the M.I.T. Community since 1989

CLASSICAL REVIEW

More Than Just a Mad Scene

Tracy Dahl Steals the Show in Boston Lyric Opera's 'Lucie de Lammermoor'

By Kelley Rivoire
EDITOR IN CHIEF
Lucie de Lammermoor
Boston Lyric Opera
Produced by Lillian Groag
Featuring Tracy Dahl, Gaetan Laperriere, Yasu Nakajima
Nov. 6, 2005, 3 p.m.
Shubert Theatre
Also being performed Nov. 11, 13, 15

Start with a Romeo and Juliet story. Now, crank up the drama a few notches — on a logarithmic scale — and you have Gaetano Donizetti's "Lucie de Lammermoor." Performed by the Boston Lyric Opera in its French version, which the program notes describe as "meaner, leaner, and scarier" than the original Italian, "Lucie," led by the phenomenal Tracy Dahl in the title role, breath-takingly thrills the audience.

Packed with action from beginning to end, the opera is a two hour forty minute tug at the emotions. The Romeo and Juliet story itself is

not unusual. Lucie Ashton loves Edgard Ravenswood, but their love is fated to end badly because of a long-standing family conflict. The constant level of deceit and trickery, however, stands out — never once do the lovers ever enjoy a moment of true repose in this story based on "The Lady of the Lake" by Sir Walter Scott.

Lucie's brother Henri, in political trouble so severe he fears for his life, arranges for Lucie to marry Arthur Bucklaw, who can save him from ill ends. Through one lie after another, to both Arthur and Lucie, he schemes and connives to get his way, sacrificing the happiness of everyone else for his own. Assisting him is the even more duplicitous Gilbert, whose easily flexible loyalties depend on who is paying him, and who mourns that Henri's reluctance to have Edgard murdered will mean a lesser monetary reward for himself.

Lucie remains determined to wed Edgard, even as Arthur has him sent to France, until Gilbert makes a copy of the ring that promises him to Lucie, telling her that Edgard no longer loves her. Lucie, confused and alone, finally agrees

to marry Arthur, but her wedding scene is one of fear and trembling rather than joy and happiness. Edgard makes an appearance and the chaplain Raymond barely stops a swordfight to the death.

A now married Lucie, manipulated by the men around her who conspired to keep her from the one she loved, feels she has nothing left for her in life and loses her sanity. This final fall leads to the infamous mad scene with the col-oratura fireworks.

Dahl puts all she has into making us sympathize with Lucie, alone, confused, and without a friend (her female confidante Alisa, present in the Italian version, is eliminated here). Her every move portrays Lucie's character, her voice perfect in each note of the elaborate, melismatic part. In a talented cast, the stage was hers, and she conquered the audience long before the mad scene.

Gaetan Laperriere excelled as Henri, not thoroughly evil, but desperately focused on saving himself at all costs; he sang marvelously as well. The role of the evil manipulator was left

to Alan Schneider as Gilbert, whose posture and expressions matched his role. In the role of Edgard, Yasu Nakajima, a tremendous tenor, sang powerfully, though I couldn't help but feel that much of his acting involved not much more than taking a controposto posture with a look of intent on his face.

The chorus, in particular the chorus of hunters, was also superb, with their phenomenal opening chorus, magnificently sung and beautiful choreographed, setting the bar for the rest of the opera.

The staging, simple in nature, was extremely effective. The thrusting angles of the painted background and terraced stage mirrored the constant tension of "Lucie." The dark lighting, sometimes with a tinge of blood red added, also contributed to the mood.

"Lucie" presents a story of tension and deceit like few others. Performed by a lesser group, the constant melodrama might seem unrealistic and stifling. But the Boston Lyric Opera completely won me over; I fell for every dramatic device from start to end.

CD REVIEW

'Our Lady Peace' Can't Catch a Break

Latest From Rock Band is Solid, Not Spectacular

By Andrew Guerra
Healthy in Paranoid Times
Our Lady Peace
Sony Music
Released on Aug. 30, 2005

One almost has to feel sorry for Our Lady Peace. The Canadian quintet is one of the most popular rock bands in its native land, but after attempting to break into the mainstream here in the States for over a decade, they still remain a "One Hit Wonder." This meager accomplishment is in spite of the players' ability to create genuinely good songs in the deluge of mass-manufactured music that has recently dominated the American mainstream. Their latest, "Healthy in Paranoid Times," won't be the CD to change their relative obscurity, but its maturity and integrity bode well for the band's future.

Our Lady Peace released their first album, "Naveed," in 1994, but the earliest work that Americans will probably have heard is off their second release, 1997's "Clumsy," which

featured "Superman's Dead," "Clumsy," and "4 AM." "Clumsy" is in many ways typical of Our Lady Peace's sound, with heavy electric guitar riffs, raw emotions, minimal polish, and a lead singer, Raine Maida, who at times screeches in tune more than he sings.

Their most mainstream CD, "Gravity," also features the song with which they won their One Hit Wonder status, "Somewhere Out There." It's almost eerie how much this song mirrored Train's "Drops of Jupiter;" as both are about a boy yearning for a girl who left him to explore outer space and find herself. "Gravity" was a departure for Our Lady Peace — it is more emotionally subdued and heavily produced than their previous albums. Maida's voice and the guitar were softened for mainstream consumption, and while the CD may have technically

been as good as the band's previous work, it was also bland and felt artistically dishonest in comparison.

This brings us to "Healthy," their first release with new material following "Gravity." This album splits the difference between

"Clumsy" and "Gravity," and comes out the better for it. The heavy production of "Gravity" has been significantly reduced, and the songs have the sort of garage band feel that "Clumsy" did. The raw emotions of "Clumsy" don't reappear, but after

a decade of aging, it doesn't make sense for Our Lady Peace to return to the angst and anger of their youth. Instead, songs on "Healthy" deal genuinely, if subtly, with relationships and social injustice. Of course, to match these renewed emotions, the guitar again is amplified, and the screeching returns, though it is

used more effectively and not as often as in "Clumsy."

"Healthy," however, is far from perfect. While there aren't any outright bad songs on the album, most of the songs are only mediocre, with the only standouts being "Angels/Losing/Sleep," "Al Genina," and perhaps the best "fuck you" song I've heard in a while, "Wipe That Smile Off Your Face." Our Lady Peace's sound isn't exactly ground-breaking either, and since most of the songs are just decent, there's a certain sense that you've heard it all before. Finally, while Maida's voice has improved from earlier albums, there are still rough moments in some songs, especially, as one might imagine, while he's screeching.

Our Lady Peace deserves better than to be relegated to One Hit Wonder status, and there is much to enjoy from "Healthy in Paranoid Times." They probably won't make it into your favorite CD collection with this one, but if you're a fan of heavier types of rock, you owe it to yourself to check out their older stuff and keep an eye out for them in the future.

Though not without its flaws, "Healthy in Paranoid Times" is a promising step forward for this Canadian quintet.



SHARE OUR PASSION
MERRILL LYNCH PRESENTATION

MIT juniors are invited to attend:
Tuesday, November 15, 2005
6:00-8:00 pm
Cambridge Marriott, Salon Ballroom

Whether you look at us in terms of people, culture, products or our virtually limitless possibilities, Merrill Lynch defines "exceptional" in every sense of the word. It's a source of pride for all of us who work here. And a source of exceptional careers for those eager to share in our passion for doing great things. Attend our presentation. And let's explore the possibilities together.

Summer opportunities: **Global Markets**

EXCEPTIONAL WITHOUT EXCEPTION

ml.com/careers/americas
Merrill Lynch is an equal opportunity employer.



Our momentum is your advantage.



Find out what makes Bank of America one of the fastest growing leaders on Wall Street with unmatched career opportunities for exceptional individuals. Come learn how you can contribute as part of our world-class Global Corporate & Investment Bank:

MIT, SLOAN SCHOOL OF MANAGEMENT

1ST YEAR PRESENTATION

Monday, November 7, 2005

6:00 pm - 8:00 pm

MIT Faculty Club

Dining Room 5

Representatives from the following businesses will be available to discuss full-time opportunities:

- Global Markets

bofa.com/careers

Bank of America  **Higher Standards**

CAMPUS LIFE

In the Parlance of Our Time

To the Infinite, and Beyond!

By Zachary Ozer
CHAIRMAN

Maybe I'm getting old. Maybe the exhaustion is finally starting to get to me. Or maybe Dean Benedict has started putting something in the water as part of a secret plan to make his job easier. Whatever it is, I've been seeing the Infinite Corridor in a whole new light.

I used to see the Infinite much as a racecar driver sees a quarter-mile racetrack: it's long, it's flat, and I got a need for speed (or perhaps just a delicious burrito). It was like a rural highway, with slow-moving traffic on the right, faster moving traffic on the left, and a turning lane in the center. I even developed a "rules of the road" which I called Infinitiquette. It went something like this:

1. Greet everyone you know, but if you stop, pull onto the shoulder.

2. You can move into the opposing direction of traffic only if this does not interfere with their traffic flow. To that end, turning yields to all other traffic.

3. Always pass; never be passed.
I even came up with cool names for the various levels, corresponding to the different layers of the atmosphere. Going from bottom to top, there's the SubInfinite, renowned for being free flowing, but also for its strange inhabitants and piles of cruft scattered hither, thither, and yon. Of course, there's the Infinite we all know and love. Then, there's the TropoInfinite, more commonly known as the SuperInfinite, which often becomes crowded when lectures are let out or when some prof wins the Nobel Prize, which has started happening often enough that it's worth mentioning. The StratoInfinite is barely worth mentioning, given how it is devoid of any life.

Then, there's the MesoInfinite. This is the zoo of the Infinite. There's lots of pretty colors, and animals in their cages, I mean, students in their design studios, but don't get too close to the glass, and definitely don't tap. Finally, there's the IonoInfinite, mostly inhabited by rats, pigeons, and hackers, but the latter have been hunted to

near extinction by the rifle of injustice, loaded with the ammunition of legal action and fines.

But I just don't see the Infinite like that anymore. I've seen the light. Sure, this is partially due to the redesigned Course 3 labs, (you helped me avoid that horrible Chemistry requirement AND brighten up my day; is there anything you can't do?), but it's something else. I spent this summer at home working at a lab. I would walk down hallways, each identical to the others, lined with hideous ceramic bricks and lima bean green paint on the low, fluorescent ceilings. In these moments, I actually missed the Infinite. She is majestic, with unparalleled warmth and openness. Her columned entrance, her high ceilings, and her unequaled grandeur make her classic, a thing of beauty in every generation.

Someone recently posted signs proclaiming her the "Eternal Corridor," but there are signals that from her very inception, she was meant to last forever (although, perhaps not her mechanized entry doors). Take, for example, MIThenge, which will be observable this Friday, Saturday, and Sunday.

Like the Mayans' temple at Chichen Itza, or Stonehenge, the Infinite was designed as a calendar for the ages. These other structures, however, were built as tributes to various gods. The Infinite was built as a tribute to truth. Note the pedestals in Lobby 7 sometime. Besides the occasional hack, they are never occupied. Is this because nothing is so permanent, so eternal, that it deserves memorial in stone? Clearly the designers did not believe so, as the names of the great thinkers of the ages are etched into the walls of Killian. So then why are there no statues in the Infinite? Someone once suggested to me that it is because the pedestals are there waiting for the next great mind, the next Newton, the next da Vinci.

I still walk into the Infinite every morning, hell-bent on setting the record time for crossing it. But now, I walk out hoping never to leave it. Maybe I never will. Who knows? Maybe I'll get one of those statues someday...

Imminent Collapse

When You're Smilin'...

By Bill Andrews
ASSOCIATE CAMPUS LIFE EDITOR

MIT is the capital of weird happenings. I once saw a poster literally leap off the wall in the Infinite, only to be nonchalantly walked over by passersby with looks on their face suggesting, "okay that was weird, but I go to MIT so I'm cool with it."

I've heard the rumors that if you go to the basement of Building 66 at night you can hear the howls of animals being tested upon. I've even gotten used to all the danger signs you see around here, from the elementary "High Voltage" and "Laser in Use" to the more advanced "Radiation Warning" and "Biohazard Level 4."

Yeah, I've been around the Infinite a few times, baby, but last week I saw something that unnerved me to the core. I've been thinking about it ever since. What could it be, to have pierced my weirdness armor (+2 D&D references) so fully? A girl was smiling.

No, not at me. No, she wasn't hot (or at least, not particularly hot). No, I'm not switching girlfriends. It was just a girl walking towards me, outside of Walker Memorial (y'know, once I heard it used to be a memorial to something besides east campus dining options), clutching her books and smiling. She wasn't on a cell phone or talking to anyone else, and she wasn't skipping or running joyously or anything; she just had this big wide smile on her face as she walked. It was a pretty smile, sure (I'm a sucker for smiles), but most people wouldn't have considered it a memorable experience. Clearly it was, however.

At first, I didn't think much of it. Okay, sure, a girl smiling on her way somewhere, probably her dorm room at EC, whatever; now, what am I going to do about this report? But, 20 minutes later I found myself wondering, curious. Why was she smiling? She looked really happy, but not exuberant, just kind of pleased with life. And, in case you haven't noticed, that's a pretty weird thing @mit.edu.

I keep turning to that mystery girl and her mysterious happiness in my mind. I'm not jealous (though, of course, some part of me would like to be so happy I walked around everywhere with a big thought-provoking smile), I'm just really curious. Did she just find out she aced a test? Did a good-lookin' dude just ask her out? Did she suddenly realize what she wanted to do with her life? What in the world could triumph over the mud and sludge that is MIT life and bring out such a radiant smile? What?

If this were real life, I would have to resign myself to the fact that I'd probably never see her again. But no, this is Campus Life, and there's always a chance I'll sit next to this girl in recitation next semester, or at the MITSO concert in December. And if she does, and I recognize her, what then? "Hi, I don't mean to pry, but do you remember a Wednesday last semester when you walked by Walker and you were smiling? WTF?" That'd be pretty weird, even for an MIT student.

In fact, if she did sit next to me, and we got to talking, and I finally mentioned that smile, and she somehow remembers, and she tells me why, is that what I really want? It's so enigmatic, now, this smile. It's taken on mythic proportions for me, and if I find out it was just because of some mundane reason (or worse, she wasn't smiling at all, but crying and the light hit her funny, or something) that would suck to no end. I like a few mysteries in life, and wouldn't you know it, they always seem to involve women.

In fact, there is only one thing I would say to her, if we should ever happen to meet (or, if by some great twist of fate, she reads this column and recognizes herself). It's not everyday that you see someone triumph over MIT. It's good to know you can. Congratulations, and thank you.

Fo' the Shorties

The Obligatory Facebook Article

By Chris Cabral
and Nikhil Shenoy

Since the advent of the Internet, the Web has proven itself valuable for legally sharing media, talking to friends, and most importantly downloading enough porn in minutes to last us, well, at least one session. The Facebook, however, initiated a paradigm shift in modern Internet use. (On a side note, everyone should use the word "paradigm" more. No one knows what it means, so you can get away with almost anything. For example: I could really use a paradigm sandwich right now. Wow, look at the paradigm on her. If I found 20 cents, I would paradigm all over myself.)

Facebook was an intricately woven sociological web more complex and beautiful than Bone-Thug-N-Harmony's 1996 smash hit "Crossroads." I was under the impression that Facebook was intended only for the elite colleges in the United States when I joined last year. Now anyone can join, be he from Misericordia, Walla Walla, or some place called "NYU."

What was once a better than Friendster and MySpace because of its elitism and arrogance has lost its luster. Alas, just like anything good (cars, airplanes, food, education, peace, health care, and voting rights), Facebook has fallen from grace into the hands of the plebeians. The upshot is that as Facebook's reach has grown, so has our ability to stalk (commonly referred to as "Facebooking") random BU, Wellesley, Simmons, and, occasionally, MIT girls. Before Facebook, the only way to adequately stalk a woman was to stand outside her window and leave weird presents around, Boo Radley style.

Many rookie Facebook Stalkers assume Facebooking someone involves looking someone up on Facebook, then poking, messaging, AIM-ing, e-mailing, or God forbid, calling the target before actually engaging them in person. You've got it all wrong, my man.

The first step was correct ... however, you forgot that there's a reason why Facebook lists all the classes someone is taking. The move here is to look up the course number in the catalogue and narrow down which rooms they're in and figure out what times they'll be there. Then, nonchalantly slink around the vicinity of your target's whereabouts with a mocha latte in

hand (to make you look sophisticated).

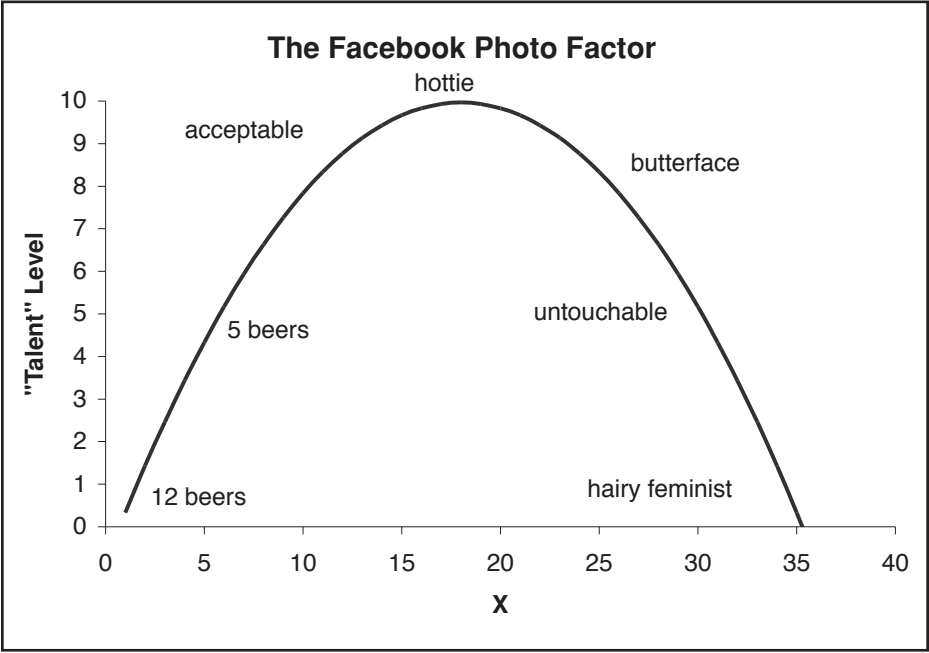
Once you casually and coincidentally (i.e. romantically) bump into her, you should shift conversation towards "When Harry Met Sally," because, assuming you've done your research, you already know that's her favorite movie. She'll totally melt when she finds out that you too enjoy Savage Garden and Coldplay. If she's a freshman or Course 15 and can't put two and two together, try working one of her favorite quotes into the conversation.

If she's premed, ask to borrow one of her colored pencils and brag about how much you enjoy little kids — she'll be eating out of your hand in no time. The key for this encounter is to have as much in common as possible, such as the fact that you both "Went To Public School ... Bitch."

After the chance encounter, you must add her as a friend and adapt accordingly. Constantly update your profile so whenever she checks her "Recently Updated" friends, you're always on the page and therefore always on her mind. When you update, change one thing at a time to match her profile, piquing her interest without revealing your dirty stalker secrets. If it seems like she's getting away, hit her with a "Beautiful Truck," and BAM — you're back in the game, buddy.

Ladies: how do you combat Facebook Stalking? You can't, because it's going to replace real dating in the foreseeable future. If you actually want to land a guy, note that there are several things that won't work: your interests, hobbies, and pretty much anything else that can be expressed in text is completely and utterly irrelevant. Guys respond to visuals. Either post a really ugly picture of yourself with really hot friends (so when he invites you over to get to your friends, you surprise him with your relative tappability), or post a really hot picture of yourself (friends optional), for obvious reasons.

You know, I've realized something: no matter who you are, you're not as attractive as your picture. It would be too much to write about both guys' and girls' pictures, so we flipped a coin and decided to focus on women. Chance, it seems, is not without a sense of humor. On with the analysis!



If a female posts a picture of herself from far away, she's got to have an ugly face. If she posts a picture of just her face, she's got a bloated personality, and a body to match. I've plotted the true attractiveness of a woman ("Talent") versus how far away her Facebook picture was taken ("X"):

"Me hungry. Me want organic carrot juice. Jabba no botha."

But on to bigger and better things ... Why settle for stalking your classmates when you can Facebook celebrities? In fact, Amanda Blair of UVA, who centerfolded as "Amanda Paige" in the October issue of Playboy, is my Facebook friend, pending approval. I suggest that everyone who saw that issue Facebook friend her because you've seen her naked, ergo you are friends. You can also Facebook the likes of Vince Young, Nikhil Shenoy (nshenoy@mit.edu), and Chris Cabral (vcabral@mit.edu). You should add us as Facebook friends because we'll confirm you assuming your picture is paradigm. Vince is kind of busy right now, but once the season is over, I'm sure he too will confirm your considerate invitation and maybe

even poke you!

In addition to stalking, another confirmation type is the Group. Make sure you belong to Facebook Groups that really describe who you are, because you're constantly being judged. Take for example, "Campus Crusade for Christ." Joining this group implies you ride around on horses all day and mindlessly kill infidels in the name of some carpenter you've never met. If you could join "Campus Jihad for Mohammed," it would similarly imply you're promoting a tolerant mission of peace and sanctity. Of course, people in either or both of these groups are genuinely good people and can take a joke.

Recently, Facebook has added a feature that not only allows you to put up any pictures you desire, but also "tag" them to show who is in the picture and where they are in the picture. There are so many people out there who I would like to tag or would like to tag me, but haven't had the opportunity yet. I don't know where I was going with this, but it seemed like it had potential to be awesome. Then again, so did this article.

Dare Me?

The 5th Metatarsal of Hell

By Sarah Buckley

When I signed up for this whole “Dare” thing, I had a few simple expectations. One was that I would get through each week with my bones still intact. That didn’t pan out so well. (I couldn’t even be a schoolgirl-cat-fairy for Halloween like I wanted to! No, I had to go as Gimpy McBroke-Foot, which is not nearly as sexy and hurts a lot more.)

But before I tell you the story, I’d like to commend those of you who were brave enough to send in dares. Most of them were, sadly, summarily dismissed due to a preponderance of suckality, but there were a few good ones that you can look forward to. Three different people wrote in suggesting that I start my own religion and apply for a tax-exempt status, a la Scientology.

Apparently, these people think that the details of U.S. tax law make for good reading. Interesting, or so boring you’d rather chew your own eyes off to avoid reading about it? You be the judge. And to the guy who dared me to drink a gallon of bleach: who let you off the short bus? No, really, tell me; tell me so I can hunt him down and sew his ass to his face.

That said, here’s some background on today’s adventure. Most of the freshmen in my dorm have developed a healthy fear of and respect for me and attempt to placate Don Sarah with free pasta. I was, therefore, rather surprised when one freshman had the audacity to call out to me in the hall, “Hey idiot!” I turned, and he continued, “I dare you to block traffic in a busy intersection by holding up an ‘I love Bush’ poster.”

First I bitch-slapped him to let him know his place in the dorm hierarchy (oh, and also I had him whacked, just in case). Then I got to thinking — this could be a scientific experiment (scientific in the Poli Sci sense of the word). What if I pulled this stunt in several intersections around the Boston area? I could scientifically determine which intersection is the most heavily Democrat by gauging the anger level in response to my actions.

But somehow, that didn’t seem like enough of a challenge. I feel I owe it to you guys to provide you with something a little more interesting. Thus, I decided to perform the same experiment a second time using an “I love bananas” poster. Then, using the “intersections that hated bananas” metric in combination with the “intersections that hated Bush” metric I could (and this is the clincher) make an overarching conclusion about Democrats and banana love. Brilliant!

I selected my first location as the Mass. Ave. at Main Street intersection. Things were going well from the start: folks loved the Bush poster. They couldn’t get enough of honking their horns and gesticulating wildly.

I stayed out there for a full two minutes, and I only received one bit of positive feedback. One guy pulled over his car and stuck his upper torso out the window, shouting, “I’m an Arab, and I too love Bush!” He looked at me with those adoring eyes, the kind a man gives a girl when he’s found his lone kindred spirit in a sea of damn dirty hippies ...

Anyway, two minutes was more than enough with Bush, so I let traffic go through and changed over to the bananas poster. That’s what the trouble started. People legitimately liked this poster. Drivers were cracking up left and right, and the honks were significantly shorter than they had been in the previous two minutes.

Encouraged by the love and adoration of the people, I developed a little banana dance where I would jump around from foot to foot shouting, “Bananas are so great, man! They are so unbelievably yellow!” But it was snowing at the time — the streets were slick and menacing — and a few cars were starting to swerve around me. As I dodged an insane motorist barreling toward me, I slipped and landed smack dab on my 5th metatarsal (on the side near the pinky toe). (Note: I am not a klutz, and by no means did I ignominiously fall over my own feet.)

You know what? Maybe I didn’t see this dare through to the end. But at the very least, I figure this will give me a bit of street cred like Fiddy Cent. I hear he got shot nine times and then drove himself to the hospital. I’m almost as badass as that, except I ended up calling the MIT Ambulance for transport. Honestly, I can’t say enough good things about those EMT guys. They almost made the experience worth it.

At the hospital I kept giggling and asking for morphine; somehow the entire situation seemed hilarious, and I think the pain was starting to impair my judgment. I was in such a good mood that the hospital staff didn’t believe I’d hurt my foot at all until the X-rays came back showing these two, hardcore fractures. I-told-you-so never felt so good!

Anyways, my foot still hurts like a MoFo. Hey, I’ve got a dare for you: I dare any of you to volunteer to be my personal assistant for the next four to six weeks. The job will involve making my food, doing my laundry, cleaning up after me, attending my classes to take notes, etc. While the position is unpaid and has no benefits to speak of, the gratification you’ll get from doing such a good act will be its own reward. Really. Plus, if you don’t, I’ll have to get some freshman on my floor to do it. Or get all of them whacked.

Send your Gimpy McBroke-Foot friendly dares to sabuckle@mit.edu — she’ll jump right on it.



Ask a MedLink

What if I'm not satisfied with my medical care?

Dear MedLink: It seems that everyone I know has some story or complaint about MIT Medical. Though I haven't had any problems yet, who could I speak to if I become concerned about the quality or level of care that I receive? Is there some neutral third party that could help me address any issues that arise? —**Slightly Concerned**

Dear Concerned: Speaking of MIT Medical stories, have you heard the one about... Just kidding! Seriously though, I’m sure you’re not the only one with this question. Rumors on this campus spread like urban legend. And you will be glad to know that a neutral third party is available at MIT Medical for resolving problems or helping you navigate the system.

MIT Medical’s “patient advocates” can be contacted by email (advocate@med.mit.edu), by telephone (3-4976), or in person by appointment. The patient advocates are available Monday through Friday, 9 a.m. to 4 p.m., to listen to your concerns and help you explore possible courses of action to resolve concerns about any aspect of your care at MIT Medical. You can contact the patient advocate anonymously if you wish, and any information you share will remain confidential, unless you authorize the information to be released.

I spoke with one of our patient advocates, health educator Julie Banda, M.P.H., who urged students to speak up when they have concerns. “MIT Medical really does strive to take care of every member of its community,” she told me. “Students are encouraged to ask questions and express themselves when they feel their needs have not been met. Speak up; we really do rely on your feedback to improve the care we provide.”

I hope this helps! —**Kelly ’06**



Do you have a question?
Submit questions by:
email: askamedlink@mit.edu
anonymous online form: <http://web.mit.edu/medlinks/www>
campus mail: Ask A MedLink, E23-493

We can’t respond individually, but we’ll answer as many questions as we can in this space. And you can always talk with a MedLink in person; see web.mit.edu/medlinks/www/ to find the MedLink(s) in your living group.



STANFORD UNIVERSITY

ANNOUNCING:

The 2006-2007 Innovation Fellowships

Explore the basics of biomedical technology invention and implementation through an intensive fellowship at Stanford University.

The Fellowship includes a Clinical Specialty Innovation Team and a Surgical Innovation Team. Multidisciplinary teams of 2-4 graduate and postgraduate engineers, bioscientists, and physicians collaborate during a year-long process. Teams invent new technologies that address major clinical needs. Fellows are mentored by over 100 ‘real world’ experts in design prototyping and technology implementation.

APPLICATION DEADLINE: DECEMBER 9, 2005
APPLY ONLINE: <http://innovation.stanford.edu/>

For further information contact:
biodesign@stanford.edu
Tel: 650 736 1160
Fax: 650 724 8696



by Jason Burns



by Emezie Okorafor



by Juan Pablo Mendieta



FVCKED

what's this student
life fee!?



i'm not paying it!

oh, that's simple.
it keeps the
students
alive.

©2005



what?

i've never seen any
of that money!

no, no, no. hehe,
that's not how
it works.



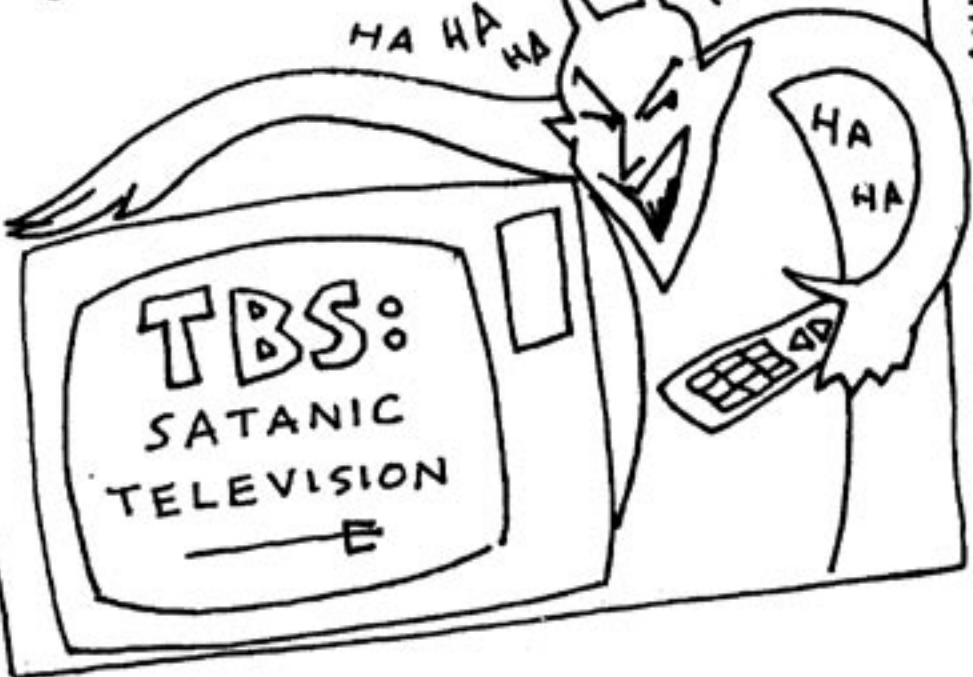
huh?

no, if you don't pay
we'll kill you.

Schleminkel

MAYBE I'LL JUST SWITCH THIS
OVER TO... TBS!!! HA

HA HA HA HA HA



©2005 JOHN DAVID PAYNE

Crossword Puzzle

Solution, page 21

“SENSATIONAL!
A MARVELOUS FILM.”

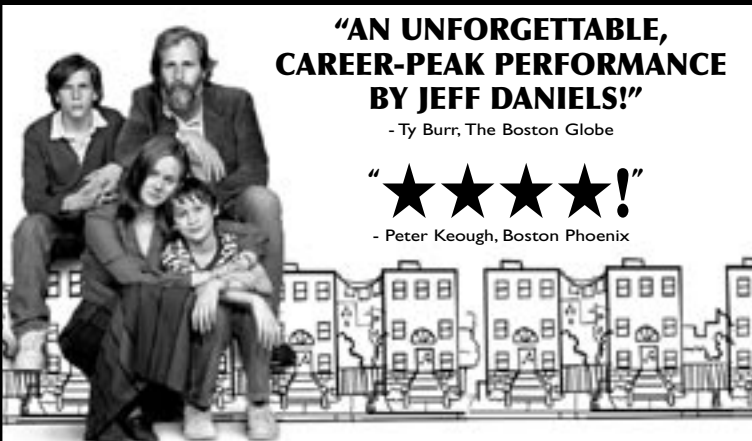
-Kenneth Turan, Los Angeles Times

“AN UNFORGETTABLE,
CAREER-PEAK PERFORMANCE
BY JEFF DANIELS!”

- Ty Burr, The Boston Globe

★★★★★!

- Peter Keough, Boston Phoenix



LAURA LINNEY JEFF DANIELS JESSE EISENBERG OWEN KLINE

The SQUID and the WHALE

OFFICIAL SELECTION
NEW YORK
FILM FESTIVAL

A film by Noah Baumbach
www.squidandthewhalemovie.com

WINNER 2005
DIRECTOR'S AWARD
SUNDANCE
FILM FESTIVAL

R

SOUNDTRACK AVAILABLE
ON ULTRA RECORDS

ANDREW LAUREN

Samuel Goldwyn
FILMS

NOW
PLAYING

LANDMARK'S
KENDALL SQ.
ONE KENDALL SQ., CAMBRIDGE
617-499-1996

LANDMARK'S
EMBASSY
16 PINE ST., WALTHAM
781-893-2500

COOLIDGE CORNER
290 HARVARD STREET
BROOKLINE
617-734-2500

A HIGH ENERGY,
NONSTOP BLAST
THROUGH THE FIRST
THREE STAR
WARS FILMS.



Written & Performed by
CHARLES ROSS

One Man Star Wars Trilogy performed with permission of Lucasfilm Ltd. All "Star Wars" elements property of Lucasfilm Ltd. All rights reserved.

DIRECT FROM OFF-BROADWAY!

NOW PLAYING THRU NOV. 13
LIVE ON STAGE AT THE WILBUR THEATRE

617.931.2787 ticketmaster

GROUPS (20+): 617.482.8616

Visit The Colonial Theatre or The Opera House Box Offices!
(Mon - Sat 10AM-6PM)

BROADWAY
IN BOSTON

Prices include service, handling and facility fees. All sales final, no exchanges
or refunds. Prices, shows, dates, schedules and artists are subject to change

BROADWAY
ACROSS
AMERICA.COM

FoxTrot by Bill Amend

Dilbert® by Scott Adams

From Concept to Business

Startup venture capital & management support.
Technology ventures exclusively. Since 1979.
Two T-stops away in Harvard Square.
Contact: MIT@cambridgelight.com

su | do | ku © Puzzles by Pappocom

Instructions: Fill in the grid so that every column, row, and 3 by 3 grid contain exactly one of each of the digits 1 through 9.
Solution on page 22.

Science for the Soldier
Professor Edwin (Ned) Thomas
Director, Institute for Soldier Nanotechnologies, M.I.T.



The US Army has established a \$10m/year center at MIT for basic research, transitioning, and outreach in nanomaterials and nanotechnology to enable revolutionary advances in soldier protection and survivability. The ISN is the single largest and most visible nanotechnology effort at MIT and a cornerstone for further growth in this important area. The key soldier capabilities that the ISN seeks to investigate are:

- Strong, lightweight, adaptive, multifunctional structural materials for Soldier Systems and system components
- Novel detection and protection schemes for chemical/biological warfare threats
- Remote and local Soldier performance monitoring systems, wound and injury triage and emergency treatment systems to enhance Soldier survivability

The center is comprised of ~ 35 Faculty from 8 departments, co-supervising ~90 Grad Students, and ~25 Post Docs with researchers from industry and the Army. Founding industrial partners are Raytheon, DuPont and Partners Health Care (Brigham and Womens and Mass General Hospitals). This talk will describe the approach being used to create a team of MIT/Industry/Army for unprecedented protection of Soldiers using systems of nanosystems.

For more info on the 33 main projects see <http://web.mit.edu/isn>

Solution, tips, and compuer program at
<http://www.sudoku.com>


Students Fly Cheaper

Sample roundtrip Student Airfares from Boston to:

Philadelphia	\$99	Madrid	\$395
Chicago	\$159	Florence	\$422
San Francisco	\$231	Hong Kong	\$869



FREE → TICKETS
Text "**LONDON**" to **22122**
It's your chance to **win** one of ten pairs of **roundtrip** tickets **to London**

 **StudentUniverse.com**

Times: All fares are based on roundtrip travel and include a StudentUniverse service fee of \$5. Domestic fares include a 7.5% US transportation tax. Other taxes and fees vary, depending on the itinerary and are not included. Fares are valid Mon-Thru with an 8-day advance purchase. A 2-day minimum stay including a Saturday night is required and maximum stay is 30 days. International fares are valid Mon-Wed for low season with an 8-day advance purchase. Minimum stay is 7 days. Fares include applicable fuel surcharge as of Oct 11 - subject to change. Blackout dates and other restrictions may apply. For contest rules visit www.studentuniverse.com/contest. Standard messaging rates apply according to your mobile plan.

ATTENTION STUDENT COOP MEMBERS GET ON BOARD!



**REAL
BUSINESS**

**REAL
DECISIONS**

**REAL
EXPERIENCE**

Apply to be elected to **THE COOP'S BOARD OF DIRECTORS**

The Coop is now accepting applications for nomination for election as a Student Director for the 2006-2007 academic year. Applications are available online at www.thecoop.com, at any Coop branch store, and at the Member Services Office, 4th floor, of the Coop's Harvard Square Bookstore.

**APPLICATION DEADLINE
WEDNESDAY, DEC. 7, 2005 AT 5:00PM**



www.thecoop.com






Women's Week Features Concert

Saturday, Nov. 5, Magdalen Hsu-Li and drummer Dale Fanning performed an hour-long concert entitled "Smashing the Ceiling," part of Women's Week.

Donations for the concert, sponsored by Queer Women Looking for Life in Tech School (QWILLTS), will go to The Network/La Red, a group in the area that works to prevent violence against lesbian, bisexual, and trans women.







(left) Magdalen smiles while singing and playing the guitar in a song entitled "Change the World."
(right) Dale Fanning of the band Living Daylights duels with Magdalen (not pictured) as she plays a hand drum during a song called "Chink."
Photography by Omari Stephens





The Tech is in your future

join@tt.mit.edu



MIT \$50K

ENTREPRENEURSHIP

COMPETITION

Fall \$1K Warm-up Competition

Executive Summaries Submission Deadline

Monday, November 14, 2005, 12 noon

REGISTER AND SUBMIT ONLINE at <http://50k.mit.edu>

Massachusetts Institute of Technology

UPCOMING EVENTS AND IMPORTANT DATES

PITCH AND POLISH SESSION

Thursday, November 10, 2005

Room 4-145 and 4-149

"How to pitch and polish your business case?"

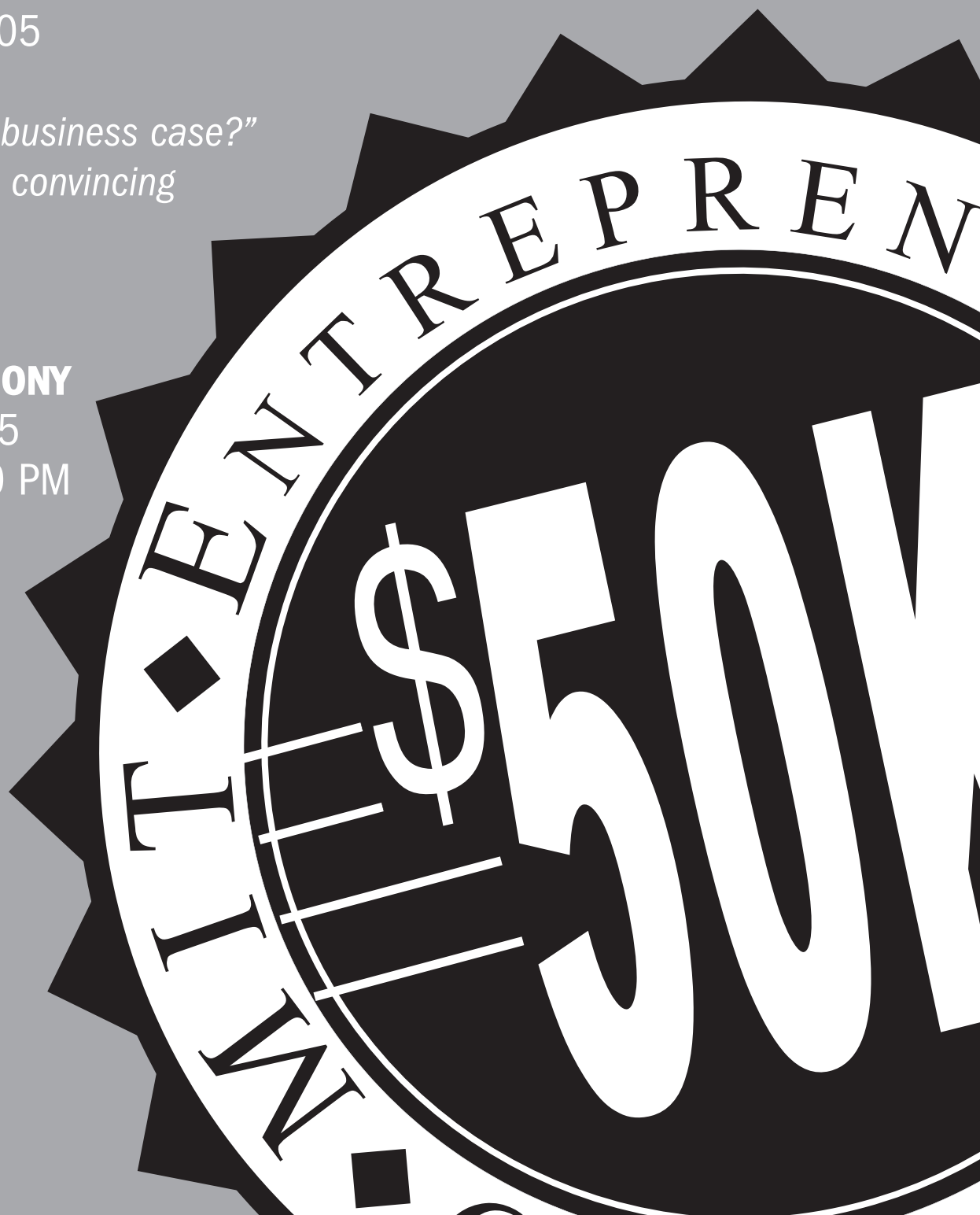
"What are the ingredients of a convincing executive summary?"

FALL \$1K AWARDS CEREMONY

Thursday, December 1, 2005

Bartos Theater, 6:00 – 8:30 PM

<http://50k.mit.edu>





OMARI STEPHENS—THE TECH

Sean P. Kruzel '08 (left) applauds as comedian Magic Mike correctly guesses a card during his last trick. Local comedians, as well as attendees, were invited to perform at The Coffeehouse last Friday, Nov. 4.



OMARI STEPHENS—THE TECH

A drummer from the Pantonic Steel Orchestra plays a tenor pan during Caribbean Culture Night, an event hosted by the Caribbean Club this past Friday, Nov. 4 in Lobdell Food Court.

THANK YOU M.I.T.



Bose® Wave® music system



QuietComfort® 2 Acoustic Noise Cancelling® Headphones



Companion® 3 multimedia speaker system

Thank you to Students, Faculty, Staff and Employees of M.I.T.

Bose Corporation was founded and built by M.I.T. people. Our success in research and in business is a result, in no small part, of what M.I.T. has done for us. As one measure of our appreciation, we are extending special purchase privileges to all students and employees of M.I.T. for their personal use.

Please direct all inquiries to the "M.I.T. Purchase Program."

Bose Corporation
1-800-444-BOSE

BOSE
Better sound through research®

T-SHIRTS



...a necessary fact of college life



- Deal direct...no middlemen
- Fast turnaround
- Award winning & computer literate art department
- Free delivery & Reasonable prices
- Most major organization logos on file for easy art work at no charge
- Full color heat transfers - no minimum!
- Web, print & graphic design

...and best of all - no boring lectures

ph - 617-625-3335
fx - 617-625-0404
email - info@qrsts.com
www.qrsts.com
serving the M.I.T. Community since 1989

Drake Analyzed U.S. Public Health Issues

Innovated New Ways to Teach Probability

Drake, from Page 1

“MIT way” were leavened by his awareness of the toll of competitiveness on self-esteem.

In a 1993 essay, “Notes on Being at a Great, but Greatly Intimidating Place,” Drake encouraged students and faculty not to let others’ brilliance make them “less special, less bright or less alive.”

Drake himself was willing to take risks, such as launching MIT and the then-fledgling Operations Research Center (ORC) into the analysis of public systems.

“This pioneering work led to major research in blood banking, airport operations and urban public safety. It put MIT ORC on the map of public sector operations research,” Larson said.

Drake’s particular interests in operations research included blood banking systems and public attitudes and decision processes with regard to blood donation. He served as a director of the Red Cross Northeast Regional Blood Program.

Drake came to MIT as an instructor in 1960 and taught continuously, except for service in the U.S. Army Signal Corps (1962-1964) and sabbaticals at Harvard and Berkeley, until his retirement at the end of 1996.

He served as associate director of the Operations Research Center from 1966 to 1977 and was promoted to full professor in 1973.

He wrote the classic text *Fundamentals of Probability Theory* (1967) and co-authored *The American Blood Supply* (1982) with Stan N. Finkelstein, senior research scientist, Engineering Systems Division, and Harvey M. Sapolsky, professor of political science.

In his later years, Drake worked with students in the Engineering Systems Division (ESD) and in the Leaders for Manufacturing Program (LFM).

“As a mentor, teacher and advisor to students in the LFM program, he touched students in the same

way he touched me as a student in the 1960s,” said Donald Rosenfield, director of the LFM Fellows Program.

In 1991, Drake received the School of Engineering’s Amar Bose Award for excellence in teaching.

Joel Moses, former dean of the School of Engineering, said at the time that one of Drake’s “many strengths is the ability to re-create, in a class of nearly 200 students, the atmosphere of a class of 20.”

In 1995, Drake was appointed Ford Professor of Engineering. Moses noted then Drake’s “innovative teaching of applied probability and his mentoring of graduate teaching assistants.”

The next year, on the eve of his last session teaching 6.041, Drake received a unique honor.

Speaking for four decades of MIT students, the MIT Chorallaries sang an a cappella verse they composed for their beloved probability professor:

“Professor Drake’s retiring, we hate to see him go

He always has supported us — he’s even come to shows!

We’ve sung here each and every term and had a lot of fun

As the official a cappella group of Drake’s 6.041!”

Drake received four degrees from MIT: the S.B. and S.M. in 1958, the E.E. in 1961 and the Sc.D. in 1962.

Drake married Julie Atwood in 1995. He is survived by his wife; stepson Todd C. Wheelden and his wife, Babette, of Kents Hill, Maine; two grandsons, Drake and Fenix Wheelden; and a brother, Jerome, of Somerville, Mass.

A celebration of life service will be held at a later date at MIT.

Donations in Drake’s honor may be sent to the Mary McCarthy Hospice House, 270 Communication Way, Hyannis, MA 02601; MSPCA, 1577 Falmouth Road, Centerville, MA 02632; or Big Brother Big Sister Foundation, 5 Mear Road, Holbrook, MA 02343.

Is everything in a mental health visit really 100% confidential?

Everything that you tell a mental health clinician is privileged information. This means that the information about you cannot be given to any other person without your permission. There are a few exceptions: 1) if you are in danger of physical harm by suicide, then your clinician can notify other people in order to keep you from harming yourself; 2) if someone else is in danger, then that person can be informed; 3) if you are involved in the abuse or neglect of a child or an elderly person, then your clinician is mandated to inform the appropriate agency.

I am applying for a job and the application asks if I have ever been diagnosed with a psychiatric disorder. Does seeing someone at MHS mean I have to answer yes to this question?

Not necessarily. Many people are seen at MHS for things other than "psychiatric disorders." It is also important to remember that for most jobs a "yes" answer to that question usually just leads to a few more questions and the prospective employer possibly contacting the clinician at MHS.

I am applying for a job that requires a security clearance. Will the fact that I have been seen at MHS have an impact on my clearance?

This is an issue that comes up frequently. Usually the agency that is doing the clearance contacts MHS after notifying you (we need your permission to release information; usually the agency has already asked you to sign something to this effect). The agency will ask your clinician for his or her professional opinion as to whether you are a risk to security. They are generally more interested in the clinician's overall assessment regarding your potential risk to security than in the details of your medical record.

This is one of a series of mental health FAQs developed by the Student Health Advisory Committee (SHAC) with input from MIT Medical’s Mental Health Service (MHS). More questions and answers on mental health issues are available online.

Go to <http://web.mit.edu/medical> to find answers to the following questions

- ▶ Does information about mental health appointments go in my medical record?
- ▶ Who should use mental health services?
- ▶ How do I make an appointment?
- ▶ What should I expect at my first visit?
- ▶ Does it cost anything to use the Mental Health Service at MIT Medical?

To learn more about SHAC membership, look out for our “Turn the Tables: Examine Medical” event, or visit our website <http://web.mit.edu/medical/student>.

MIT Mental Health Service
MIT Medical, E23-3rd Floor
For appointments and information (617) 253-2916
Walk-in hours 2–4 pm, Monday–Friday for urgent matters



CHRISTINA KANG—THE TECH

New MedLinks Kitty Zhou '08 and Phi T. Ho '08 collect their medical supplies and materials. They were among 40 new MedLinks who graduated on Friday, Nov. 4 after completing a 25-hour training program and receiving CPR and First Aid certification.

New Opportunities From NASA Help Private Space Exploration

Mars, from Page 1

holds brainstorming sessions on campus to generate creative inventions and ideas.

4Frontiers has already secured about \$30 million in funding, mostly from private individuals. The company plans to make money over the next five years by patenting spin-off innovations.

Plans also include building a full-scale replica of the 12 person 25,000 square foot Mars Settlement in the middle of a populated city. This center would help the public visualize the Mars settlement as a recognizable reality. The center would also host classes, ad space, and a research area for collaboration between engi-

neers.

Surviving on Mars would require new space technologies. For example, since Mars' low atmospheric pressure could cause objects to explode, inhabitants might live in masonry structures built into the side of a hill with steel beams extending onto the plane. An inhabitable atmosphere could be generated by splitting oxygen atoms in water. Palaia said that new technologies will be built on concepts from already existing ones.

In recent years, NASA has opened up opportunities for private industries to get involved in developing space technologies via the Centennial Challenges.

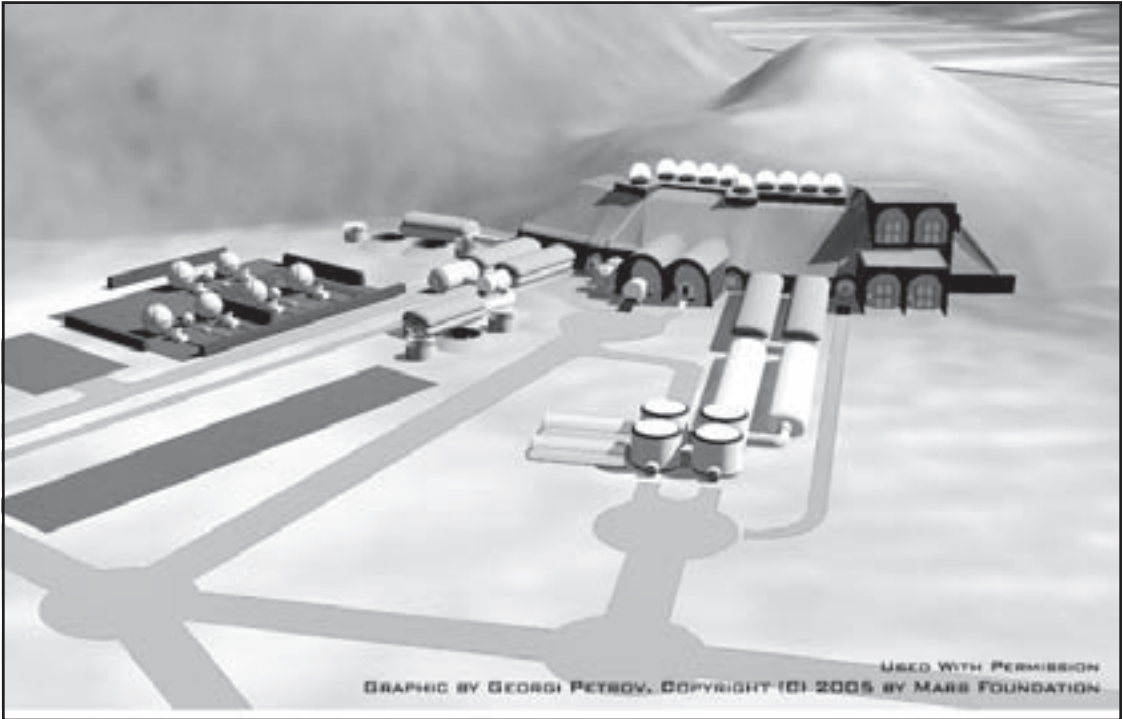
4Frontiers is focused on solving a

few of these challenges, not beating NASA to Mars.

"We don't think we're competing. We have cordial relations with NASA and vice versa," Palaia said.

Opening NASA to the private sector may give the general public access to space exploration goals, which will boost all efforts.

While the idea of establishing a settlement on Mars in the next two decades seems more like science fiction than reality, Palaia said that this dream is what draws people to the project. Palaia said that rich baby-boomers have been investing time, money, and energy to fulfill their dream of making the human race a multi-planet species. "Now is the right time," he said.



An artist's rendering of the Mars Homestead Settlement depicts early colonial life on the Red Planet. The facility will be built using local materials to provide industrial functions and life support.

SigEp Pursues Year-Long Rush Recruitment Plan

SigEp, from Page 1

SigEp "will continue to focus on recruiting throughout the year instead of focusing on only two weeks," said SigEp Chapter Director Jason A. Wortham, referring to MIT's fall Rush. So far there are 10 students who are in the process of being admitted, all of whom were already SigEp members from the previous year, he said.

The national organization aims to recruit students fitting the Balanced Man Ideal, defined as students who maintain a balanced and healthy life style.

"We are looking for someone who is well-rounded ... the Renais-

sance man, so to speak," Cherish said. The membership application requires information on academics, athletics, leadership, and work or internship experience, as well as an interview.

There are currently no living requirements for fraternity members because parts of the house are being used as office space or are rented out, and the building will not be converted to living space for at least two years, Cherish said.

Brian Schmidt '07, SigEp's vice-president last year, re-applied to become a member of SigEp over the summer. "I think SigEp is a great opportunity and it's very exciting trying to get the new chapter," he said.

Hockfield Avoids MIT Related Ethics Issues

Hockfield, from Page 1

knowledge. It generates new jobs and new industries," she said.

Though "inventing the future and preparing our students to invent the future is hard work," it is not without reward because "the chance to do work that you love generates profound commitment."

MIT must "educate global leaders" because "quite simply, the world needs our students," she said.

Hockfield said that MIT's review of the General Institute Requirements has led many departments to begin rethinking their curricula, an important re-evaluation in maintaining MIT's lead in education.

Additionally, she emphasized MIT's commitment to need-blind admissions, need-based aid, and meeting student's financial needs, as well as the Institute's commitment to bringing in the most talented students and faculty from around the world.

In terms of innovation, "MIT is a tremendous engine of economic growth," Hockfield said, generating 133 new patents last year. Areas needing this innovative spirit today are energy, "one of the great challenges facing the world today," and human health, she said.

MIT must also serve as an example to the world, Hockfield said. With U.S. achievement in science lagging, Hockfield pointed to MIT's 85 percent of students with science and engineering degrees, compared with 17 percent nationwide.

The faculty governance structure must serve as a demonstration of the highest ethical standards, even as ethics problems in government and business appear daily in the news. The faculty must "carry out our mission with the highest standard imaginable," she said.

In concluding the lecture, prior to a brief question and answer session,

Hockfield reminded the audience that a university should aim "to serve" and "make the world a better place."

Controversial ethics

Referring to Luk Van Parijs and allegations of fraud in National Missile Defense, Hockfield said she did not "want to dwell on their particulars today." She described the Department of Defense investigation and "the complication in resolving this case" as "a source of frustration for all of us."

In Hockfield's early remarks, she said that Provost L. Rafael Reif has appointed an ad hoc committee to "review the lessons that have emerged from this case," referring to the alleged Missile Defense fraud. It is not an investigation of the charges, but "an assessment of the process" as part of a need "to continually review and renew our policies."

Hockfield described the recent dismissal of Van Parijs as a "tragic case, as are all departures from our shared standard of conduct." But the case is also a demonstration of "how our process can and should work," in this case through a "careful and thoughtful investigation," she said.

She cited the "fundamental strength of faculty governance" in "a remarkable process for investigation of allegations of misconduct, a process that demands confidentiality, but most importantly protects those who may be under investigation."

There were several tense moments when Professor Theodore A. Postol '67, sitting in the second row directly facing Hockfield, interrupted her during questions and confronted her afterwards. Postol has been a public critic of the willingness of the administrations of both Hockfield and former MIT President Charles M. Vest to investigate his charges of research misconduct at Lincoln Laboratory relating to the National Missile Defense.



A spokesperson hands out information in front of the Student Center on Friday, Nov. 4 about a lecture on Environmental Justice in Bhopal, India and the Gulf Coast, sponsored by the South Asia Forum at MIT.

Free dinner on
Sunday nights.



join@tt.mit.edu
W20-483, 617-253-1541

This space donated by The Tech

Arguments Heard in Harvard Police Records Case

By John A. Hawkinson
STAFF REPORTER

Harvard's student newspaper The Crimson and Harvard University argued before the Massachusetts Supreme Judicial Court yesterday in a case that could require the disclosure of arrest records by private university police departments.

The case was originally filed by The Crimson in June 2003, after the Harvard Police Department refused a request to provide access to arrest records referenced in Harvard's police log. The Crimson claimed those records should be available under the Massachusetts Public Records Act. The Public Records Law is similar to the federal Freedom of Information Act, which allows public access to government records.

Massachusetts Superior Court dismissed the case in favor of the university, and The Crimson is now appealing to the Supreme Judicial Court.

The case hinges on whether the Public Records Law applies to private police departments. The Crimson argues in its brief that Harvard Police of-

ficers "are also officers or employees of ... public entities under the Public Records Act."

Harvard University's brief argues that its police officers are neither state employees nor officers. Harvard also claims that the records in question are "already public," because arrest warrants are "returned to the issuing court," with similar provisions for warrantless arrests, such that they may be requested from the relevant court.

The case was argued for The Crimson by Frances S. Cohen of Dechert LLP and for Harvard University by Jeffrey Swope of Edwards Angell Palmer & Dodge LLP. Swope frequently represents MIT.

Both sides performed well in oral argument, limited to 15 minutes each.

Cohen, who argued for The Crimson, was questioned by Justice John M. Greaney as to whether a verdict in favor of The Crimson might require Wal-Mart to release similar records if their security forces were deputized. Cohen replied yes, suggesting that would be a desirable result.

A similar case in Georgia, Barrett & Farahany v. Mercer University,

was decided in favor of open campus records in February 2004, however, Georgia's appeals court reversed that decision in February 2005, and the George Supreme Court declined to hear the case.

Chief Justice Margaret H. Marshall recused herself from the case because she has previously represented Harvard University.

Solution to Crossword

from page 13

C	R	A	M		F	L	A	G		P	H	O	T	O	
R	E	B	A		R	E	D	O		R	E	S	I	N	
A	P	E	R		I	D	E	A		E	A	S	E	L	
B	O	T	T	L	E	A	N	D	S	A	L	A	R	Y	
	Y	E	N			S	E	C							
A	P	B		E	D	D	A		T	H	A	M	E	S	
C	L	E	A		L	E	N	A		E	L	E	N	A	
C	A	G	N	E	Y	A	N	D		F	R	I	D	A	Y
R	I	O	T	S		F	A	I	R		T	A	T	S	
A	N	T	I	C	S		S	N	E	E		L	E	O	
					A	U	K			U	R	N			
S	T	A	N	L	E	Y	A	N	D	R	Y	D	E	R	
H	O	S	E	A		L	I	I	I		L	U	R	E	
A	L	E	R	T		E	D	N	A		O	D	I	N	
G	L	A	D	E		S	E	E	N		N	E	N	E	


SPRING BREAK '06

Now Hiring Reps:
Organize Small Group
& Travel Free!

Book Early:
Save Big \$\$\$
Free Meals
Best Flights

www.sunsplashes.com
1.800.426.7710

Support MIT-EMS




run with scissors

Apply for our IAP EMT class.

for more information and to apply

<http://ems.mit.edu>



robocraft.mit.edu

6.370

new robots

faster engine

be seen by top companies

6 units
6 EDPs
repeatable

\$15,000
in prizes

6.370 is MIT's artificial intelligence programming competition. Contestants write software to control teams of virtual robots that interact in a real-time-strategy simulation. These robots then compete autonomously in a dramatic head-to-head tournament.

More Foreign Grads Enter U.S. Colleges

By Tamar Lewin
THE NEW YORK TIMES

The number of international students entering American graduate schools rose 1 percent this year, despite a 5 percent drop in applications from foreign students, according to the annual report by the Council of Graduate Schools.

While the increase is small, it follows several years of decline. "This increase in first-time international students is a very good sign, and I am hopeful that it signals a turnaround in the trend of declining numbers," Debra W. Stewart, the council president, said in a statement.

China and India send the most students to the United States, and the council collected data on those from China, India, Korea and the Middle East, from which students are least able to get visas. The largest increase in first-time international enrollment came among Middle Eastern students, whose numbers were up 11 percent. Enrollment of Chinese and Indian students increased 3 percent, and Koreans were up 5 percent.

The increase in Chinese enrollment is noteworthy because declines in Chinese students' enrollment and applications last year were the largest of any of the countries included in

the report. In 2004, applications from Chinese students declined by 45 percent. In addition, China is spending billions of dollars to woo big-name scholars, build first-class research laboratories and transform its top universities into the world's best.

The annual report also found changes in the international students' fields of study, with increases in those studying engineering, physical sciences and business, and declines in the numbers enrolling in education, humanities, social sciences and life sciences.

The decline in education students was particularly steep, with first-time enrollment down by 15 percent.

The number of new international students enrolling in American graduate schools peaked in 2002. And because graduate studies typically last for several years, the overall number of international graduate students in the United States is still down 3 percent from last year, despite the increase in new enrollment.

The report is based on an initial survey of a sample of graduate institutions, so it is not yet possible to report the number of international students who enrolled in American graduate programs for the first time this fall.



President Susan Hockfield speaks at the opening ceremony of the McGovern Institute on Friday, Nov. 4.

Nightline

def tuv tuv oper oper

ThinkBIG Number Challenge

- \$0.25 for 1 number, \$1.00 for 5 numbers.
- Buy as many numbers as you want.
- Winner gets 25% of the proceeds

1 2 3 4 5 6 7 25

Lowest Distinct Integer Wins

Check us out at:
web.mit.edu/thinkbig/challenge

think **BIG**
BUSINESS & INVESTING GROUP

Solution to Sudoku

from page 14

3	4	5	1	8	6	9	7	2
6	2	9	4	3	7	5	8	1
1	8	7	9	5	2	3	4	6
8	9	1	7	2	3	4	6	5
7	5	6	8	9	4	2	1	3
4	3	2	6	1	5	8	9	7
2	1	4	5	6	8	7	3	9
9	7	3	2	4	1	6	5	8
5	6	8	3	7	9	1	2	4

The Tech



join@the-tech.mit.edu

Renovation Will Cost Around \$1.5 Million

Reading Room, from Page 1

tions. One section is for group study for four to six people, sound-proof work rooms, and an open work area. The other section is for individual studying with desks that convert into library-like carrels.

The architects brought their plans before the Campus Activities Complex advisory board to ask for feedback on Monday, Oct. 17. Student representatives from the Undergraduate Association, Association for

CAC in December 2002. Students have specifically advocated for the creation of group study areas.

The DSL submitted a renovation proposal to CRSP in 2003 for the fiscal year 2004 budget, but the project was deferred because “budget clouds were forming overhead at the time,” Walsh said. The budget was resubmitted next year and received mini-

mum funding so that a formal plan could be developed.

The project “finally got off the ground” in the beginning of 2005, Walsh said. A small group composed of Walsh and three other MIT staff

members was created to coordinate three activities that would provide the architects with input: the CAC advisory board, a group of Institute staff with “experience in group study space,” and in May 2005, a feedback session with students in the Student Center game room.

The reading room has been a part of the Student Center since its construction in 1965, when it was used as a resource library. It is equipped with its original furnishings, Walsh said.

“This is definitely an opportunity now for people to comment on the plan,” said Lukmann. He asks for students to contact their UA senators for details.

Walsh hopes that there will not be too many modifications such that “we need to go back to the drawing board” because it is “not the right time.” He said that the plans “need validation.”

Canizares said that renovating the reading room was a “high priority three years ago. We’d like to make it happen.”

“This is definitely an opportunity now for people to comment on the plan.”
—Andrew T. Lukmann ’07

The project will be matched with a budget number that should be decided within the next week, said Phillip J. Walsh, Director of Campus Activities Complex. MIT Facilities has been getting estimates.

The original ceiling estimate for reading room renovations was \$1.5 million, said Claude R. Canizares, associate provost and CRSP chair. The current plans are expected to cost an amount within the budget. If students make no major changes to the current plan, renovations will consume 5.7 percent of the \$19.5 million budget designated to CRSP, which is a “significant part,” he said.

Construction of MIT facilities typically occurs in the summer, but no plans have yet been set.

MIT students have contributed their ideas for reading room renovations since the first renovation was proposed by the UA to the DSL and

You could spend years proving yourself.

Or make things happen.

Now.

Attend our on-campus information session
co-sponsored with the Sloan Undergraduate Management Associate (SUMA)
Wednesday, November 9th
6:30pm-7:30pm
Building 1, First Floor, Room 1-135
Dinner will be provided
Casual dress

Full-time and Summer Internship Opportunities

- Capital Markets - Sales, Trading and Research
- IT Development
- Systems Administration
- Operations & Middle Office
- Accounting
- Human Resources
- Legal

Our core businesses are Derivatives and Structured Finance: equity and credit derivatives, CDO's/CLOs, convertible and high yield bonds, warrants, fund derivatives. We're nimble, smart and surprisingly laid back – a hedge fund mindset backed by the stability of a major international bank.

And unlike many of those “big name” firms, we believe that drive and ability matter much more than designer suits and power ties.

We won't promise you instant gratification. But if you're looking to jump in and really learn our business, expand your skill set, take on a meaningful role immediately, and climb to the top based on your talent instead of a timeline, you'll definitely want to meet us.

All opportunities are based in New York City.



Financial Products

KBC FP is an equal opportunity employer

NEW YORK TOKYO LONDON HONG KONG

www.kbcfp.com



Another Perspective

Join us for a World Hunger Experience

Thursday, Nov. 17th

Burton Conner Porter Room

6:30pm



Brought to you by:
NSCS and Hunger Action Group



MIT
PUBLIC SERVICE CENTER

SPORTS

As Sox Say Goodbye to Epstein, Questions of the Future Abound

By **Yong-yi Zhu**
ASSOCIATE SPORTS EDITOR

The most instrumental person in the Red Sox 2004 playoff run was not Terry Francona, Curt Schilling or Manny Ramirez. It was Theo Epstein.

Column

The man that traded away Mr. Red Sox, Nomar Garciaparra, brought in Curt Schilling and his bloody sock, and nixed the Alex Rodriguez deal only to find a better fit with Orlando Cabrera, is now a part of the Red Sox past.

In a surprise move, just days after he negotiated a new contract, Epstein resigned.

But how much difference can a General Manager make? Was he really responsible for the World Championship?

It's clear Epstein played a large part in 2004, putting the pieces of the puzzle together before and during the season. He even made several moves that were not popular among fans at the time, but in the end paid off.

The first unpopular but fruitful acquisition was Keith Foulke. Anyone who's read "Moneyball" by Michael Lewis knows not to buy even a good closer at a high price. But because closer by committee didn't work for the Red Sox the year before, Epstein went out and acquired Foulke, who stabilized the Red Sox bullpen and had a spectacular postseason.

Another move that was highly criticized was abandoning the pursuit of Alex Rodriguez. Fans were sure that A-Rod would have guaranteed a Red Sox World Championship. The problem was his contract.

Epstein didn't feel confident giving the Texas Rangers all the money they were asking. In the end, the Yankees got A-Rod, but the Red Sox got the World Series, in part because they had the extra money they would have spent on Rodriguez.

The final questionable move was the trade of Nomar to the Cubs. He was at the center of the organization for years and very popular in Boston. Epstein, however, didn't give a hoot what the rest of New England felt. He sent Nomar packing and his replacement Orlando Cabrera worked just fine.

It's true that Epstein had a larger budget than anyone else in the business next to Brian Cashman, but that doesn't take away from what he accomplished. Theo spent the money the right way, and that's why the Red Sox are now a success, instead of a constant underdog.

So what will the Red Sox do without Theo? The most critical part of the off-season is at hand. Ben Cherington, Jed Hoyer, Peter Woodfork and Craig Shipley, former assistants, will take over for Epstein in the meantime. The Red Sox have assembled this team to represent them in the general manager meetings this winter.

Theo's departure came at the worst time possible for Boston, as they have no leadership during what will be a crucial offseason. Coming off a divisional loss to the Yankees and a playoff loss to the Angels, the Sox have a summer of change ahead.

First and foremost, the Sox need to figure out Manny Ramirez. Does he really want to leave or is it just

a negotiating stance? How can they possibly sign a contract of Manny's size now that Alex Rodriguez may no longer be on the Yankees' side of the equation.

One option is that they could put Manny on waivers again, but that means losing a player of his caliber without getting anything back. They probably won't just let Manny go because there are fewer free agents to pursue this time around.

They also need to address the problem with Keith Foulke. Is he going to be a healthy closer? If not, what are their other options? Mike Timlin is not a natural closer. There may be a couple of free agents out there, or they could make a trade, but it's tough to find a reliable closer of Foulke's caliber these days. Perhaps they can convert Jonathan Papelbon to their regular closer, but he's young and will go through rough stretches. Can the Red Sox and their fans bear that?

The last problem may be the easiest to deal with: they need another starting pitcher. The Sox saw how much they had to rely on Tim Wakefield down the stretch. Thank goodness he throws a knuckball and can go on short rest often, or else they would have had major problems. A.J. Burnett is a possibility, assuming he wants to leave south Florida.

One thing is clear, though: the Sox are going to have a tough off season. They need to get their act together, hire a GM and continue on their quest for another World Championship. Paul Depodesta, ex-GM of the LA Dodgers and a Harvard grad, will fit right into Theo's role and is probably atop the short list.

Volleyball Upset In NEWMAC Semis

No. 4 Smith College stunned host and No. 1 seed MIT by posting a 30-25, 30-27, 30-27 victory in the first semifinal match of the NEWMAC Tournament on Friday. Smith advanced to the championship match for the first time in conference history.

Smith's defense served as a catalyst in its upset over MIT, as the Pioneers (22-6) overcame a 27-19 deficit in the pivotal second game, scoring 11 unanswered points. Kate Sorenson recorded a match-high 27 digs while tallying 10 kills and three blocks. Catherine Shafer also notched a double-double with 20 digs and 10 kills. Sammy Lyon and Sara Hoffman each contributed three blocks as Megumi Sasaki totaled two aces. Lauren Perry distributed 24 assists and posted four aces.

Frances M. Rogoz '07 paced the Engineers (28-8) with 20 kills and added 11 digs and four assisted blocks. Caroline D. Jordan '06 totaled 12 kills, one solo and five assisted blocks. Briana J. Stephenson '07 bolstered the front-lines efforts with nine kills while Alexandra N. Huston-Carico '08 recorded one solo and two assisted blocks. Arlis A. Reynolds '06 collected a team-high 20 digs as Carrie C. Buchanan '08 notched 15 of her own. Austin Zimmerman '06 distributed 41 assists in the loss.

—Mindy Brauer, DAPER Assistant Director of Sports Information

Ballroom Dance Team Dominates First Event Of Season at Harvard

By **Olga Shevnyuk**
and Shlomo Meislin
TEAM MEMBERS

Last week, while people were dressing up for Halloween, 441 ballroom dancers from 21 schools throughout New England were donning dresses, collars and ties for the 13th Harvard Beginner's Competition. The event marked the beginning of the collegiate competition season. The MIT Ballroom Dance Team rookies performed fantastically, occupying the top two and top four places in each of the beginner events out of approximately 160 couples each.

As the name implies, the Harvard Beginner's Competition focuses on newcomers who have only been dancing since August. Three MIT couples made the final in Newcomer American Swing: Greg D. Pintilie G and Yuqiao Huang '09 took first place, Ran Yi and Olga Rostapshova, second, and James F. Vanzo '06 and Amy Lawrence, seventh.

In the Newcomer American Foxtrot, for the second year in a row, five out of the seven couples in the final

were from MIT. Yi and Rostaphsova came in first place, Pintilie and Huang in second, Vanzo and Lawrence in third, Jules D. Walter '04 and Jackie A. Gold '09 in fourth, and Zhaohui Zhang and Christina Lam in sixth.

MITBDT veterans also did well in the Intermediate events, with three couples in the finals for Standard, Latin, and Smooth events. Shlomo H. Meislin G and Olga S. Shevnyuk '08 won International Waltz/Quickstep, followed by Kenny Siu and Yiqun Bai '06 in second and Eng Sew Aw G and Yan Zhao in fourth.

In Intermediate International Rumba/Chacha, Dmitry Abanin G and Zhao Chen came in third place, Joe Pompei PhD '02 and Esther Ryvkina in fourth, and Muiwa Ogunnika G and Caroline Psutka in fifth. In Silver American Foxtrot/Tango, Meislin and Shevnyuk came in fourth, Aw and Zhao in fifth, and Anthony Kozloff and Theresa Vallese in seventh.

Overall, MIT placed at least three finalists in five of the six events offered, winning three. Tufts won another two, leaving only the Intermediate American Smooth event to be won by the host team.

The School of Engineering announces the following opportunities open to eligible Sophomore and/or Junior students in the School of Engineering and the School of Science:

THE BARRY GOLDWATER SCHOLARSHIP

The Barry M. Goldwater Scholarship and Excellence in Education Program was established by Congress in 1986 to honor Senator Barry M. Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years of service in the U.S. Senate. The purpose of the Foundation is to provide a continuing source of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue careers in these fields.

The Goldwater Program provides scholarships of up to \$7500 per academic year. Sophomore scholarship recipients will be eligible for two years of scholarship support. Junior scholarship recipients will be eligible for one year of scholarship support

Nominations must be from your department and are due at the School of Engineering, Dean's Office, 1-206 by: November 25, 2005

For further information: Contact your Undergraduate Officer, <http://www.act.org/goldwater/>, <http://web.mit.edu/engineering/goldwater.html> or Donna Harding (3-3366, dharding@mit.edu)

MIT Faculty Representative: Professor Dean Dick KP Yue, Associate Dean of Engineering

MITC
THE MIT MUSICAL THEATRE GUILD
PRESENTS

**STAR
WARS
MUSICAL EDITION**

ORIGINAL LYRICS AND SCRIPT ADAPTATION BY
ROGUE SHINDLER AND JEFF SUESS

ORCHESTRATIONS BY **STEPHEN PETERS**
BASED ON THE ORIGINAL STAR WARS FILM TRILOGY BY GEORGE LUCAS

NOVEMBER 11-12, 16-19 AT 8PM
MATINEES NOVEMBER 13 AND 20 AT 2PM

LA SALA DE PUERTO RICO
MIT STUDENT CENTER
84 MASS AVENUE, 2ND FLOOR
CAMBRIDGE, MA 02139

TICKET PRICES:
\$6 - MIT/WELLESLEY STUDENTS
\$9 - MIT FACULTY & STAFF, SENIORS, STUDENTS
\$12 - GENERAL PUBLIC

FOR INFORMATION AND RESERVATIONS:
<http://web.mit.edu/mtg>
(617) 253-6294